1965

KEKIONGAN

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Kekionogan

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. . . To Remind You, Perhaps of Many Things
. . . But Above All, to Remind You

. . . That the Intent and Purpose of Indiana Tech Was
. . . To Bestow Upon You

The Boon of Education

. . . And
Intensity
of
Purpose

. . . So That You May Go From Here
. . . And Have the Satisfaction

. . . Of Doing Some Big or Small
Good in the World

President

President Edward C. Thoma

Our yearbook, the Kekiongan, provides the memorabilia for each of us, students and faculty alike. It especially salutes our senior students, and we all join in wishing them, those great successes which they have envisioned and planned. For the rest of us, the yearbook serves as a challenge and a guidepost on what we can do the next year to improve upon this present year. Only as we accept the challenge to not only strive to accomplish more, but actually achieve this, do we make lasting and important contributions. May the Kekiongan serve both as a sounding-board and as a record of the challenges that we have accepted and accomplished and provide for us insights to do even more.

President Thoma conferring honorary degrees upon Mary Tower English (Doctor of Humane Letters) and Ralph R. Teetor (Doctor of Engineering).

President Thoma addressing student body during Awards Convocation.

President watching student activities during Tech's "Dogpatch Days".

Mr. C. A. Overholt

Vice-President and Treasurer

Dr. Ralph Young

Dean of Faculty

Dr. Walter Williams

Dean of Engineering

Dr. Lon D. Randall

Dean of Students

Robert Ruhl, *Assistant to the President*

Harold Belt, *Assistant to the President*

Mac Fuelber, *Business Manager*

Catherine Walsh, *Secretary to the President and Board of Trustees.*

Oren Huffer
Registrar and Director of Admissions.

Evelyn Bowyer
Assistant Registrar

Robert Large, *Director of Placement*

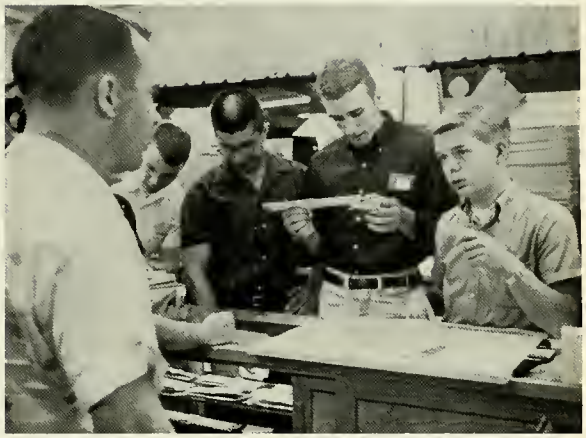
Paul Arnold, *Freshman Advisor*

Life at Tech

Begins with Registration

There are lines to wait in.

Supplies to be bought



Knowledge is priceless.

Meeting friends between classes.

There are classes to attend.

The library provides a good atmosphere for study.

Tech's Coeds

L-R:
Ruth Ann Goodlin
Shirley Williams
Jeanne Hoffman

Students cast their vote.

Fraternities to their part.

Sig EP's entertain the orphans at St. Vincent's Villa every Christmas and Easter.

Students contribute blood to the Red Cross three times a year.

Friendly card game in the College Inn.

I know what you mean

Study can be so exhausting.

Sir, Can we have your signature!

Student versus beast

India association had a very enjoyable visit to the brewery.

Chinese Club picnic

Brandywine Singers entertain Tech Students.

College Life Is Not All Work

WOWO Disc Jockeys played Donkey Basketball with the Brothers of Sigma Phi Delta.

Dogpatch Days on Campus

This borrowing is going a little too far.

Local group entertains at Chinese Club Banquet.

Robert Swindell and Jeanne Hoffman

In memory of the last Calculus exam.

Dogpatch Days

Dunk
The
Punk

Sigma Phi Epsilon

Dogpatch Days Carnival held on the Tech campus turned out to be a big success and a lot of fun for both the Tech students and visitors.

The Tech Wive's Club was awarded first prize for their booth, Dunk the Punk.

There was a Dogpatch Dance that evening to highlight the day's activities. Dancing was done to the music of the George Rank Orchestra and everyone got "High" drinking Kickapoo Joy Juice.

Last minute preparations for the Dogpatch Dance.

Injun Joe and Daisey Mae

Tough competition for the best Daisey Mae

Dogpatch Day Citizens

We could have danced all night.

Dancing to the music of the George Rank Orchestra

Fall

Graduates

Robert Baillargeon, BSME; Terryville, Connecticut; Mechanical Engineering Club, Executive Committee; Sigma Phi Delta, President, Vice-President, Secretary, Rushing Chairman; Inter-Fraternity Council; Varsity Baseball; Intramurals.

Robert W. Berry, BSME; Mt. Vernon, Ohio; Dean's List (1); Society of Automotive Engineers, President, Secretary.

Joseph L. Boehrer, BEE; Alpha Omega Tau; Judo Club.

Joseph Caparrotti, BSCE; Dobbs Ferry, New York; Nucleus Staff; Sigma Pi, President, Vice-President; Intramurals.

Fall Graduates

Elie Y. Dallal, BME; Beirut, Lebanon; Mechanical Engineering Club, Executive Committee; International Club; Organization of Arab Students, Treasurer; Glee Club.

Benedict N. Daniels, BSCE; Lusby, Maryland; Varsity Baseball.

David N. Dusenbury, BSCE; Grand Island, New York; Dean's List (3); American Society of Civil Engineers.

Ronald Lynn Edmiston, BSMath; Lewistown, Pennsylvania; Dean's List (2); Varsity Track Team; Bowling Club.

Jalal A. El-Saleh, BSME, Math Option; Tulkarm, Jordan; Dean's List (3); Mechanical Engineering Club; Organization of Arab Students; International Club.

Jayant Gala, BSChE; Bombay, India; Dean's List (1); Chemical Engineering Society; India Association.

Richard J. Gibbs, BSEE; Hartford, Connecticut; Nucleus, Editor-in-Chief; President's List; Institute of Electrical and Electronic Engineers, Outstanding Student Award; President, Secretary; Kekionga Feather Award (2); Kappa Alpha Psi, Secretary; Student Senate; Interfraternity Council; Who's Who Among Students In American Colleges and Universities; Library Assistant; IEEE Technical Report Writing Contest, Second Place.

Michael E. Giger, BSCE; Lebanon, Indiana; Iota Tau Kappa, President; Coolidge Award; Kekiongan Award; Carmi Award; President's List (12); Dean's List (1); Association of Civil Engineers, Recording Secretary; Physics Lab Instructor; Varsity Basketball; Physical Education Instructor.

Iraj Haghnazarzadeh, BSCE; Iran Tehran; Association of Civil Engineers; Iranian Student Organization, President; Volley Ball Team.

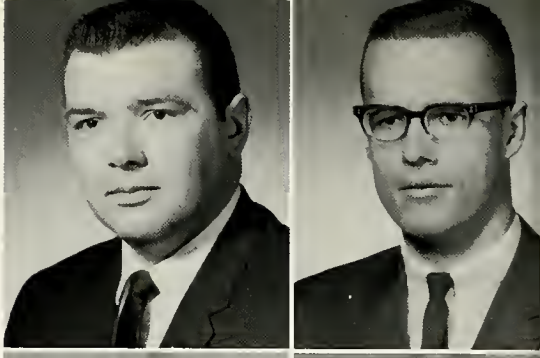
Claron L. Hanefeld, BSMath; New Haven, Indiana; Dean's List (2).

Joseph E. Kowalski, BSElE; Fort Wayne, Indiana; Dean's List (3); Caswell Engineering Award.

Andrew J. Leeson, BSMath; Middletown, New York; Dean's List (1).

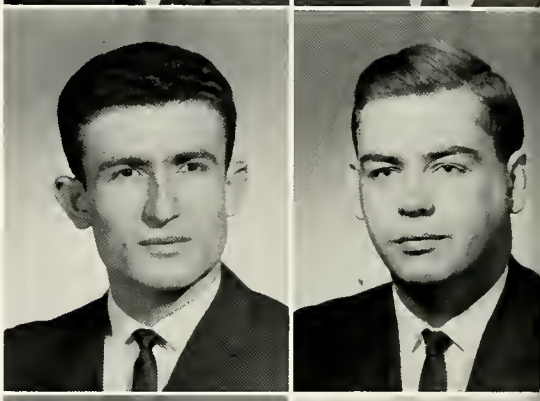
Robert H. Montgomery, BSMetE; Utica, New York.

Edward G. Murphy, BSAe; Boonton, New Jersey; Society of Automotive Engineers; Newman Club; Varsity Track; Student Gym Instructor.



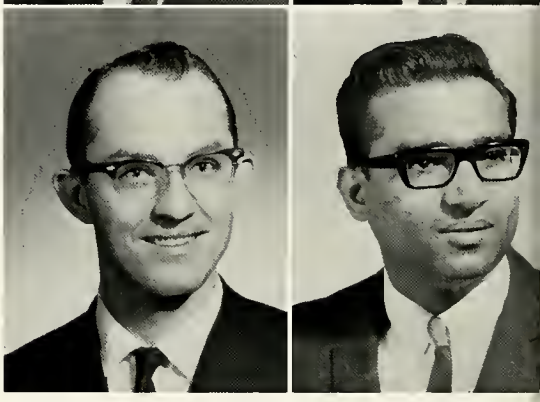
A. Chaduki Salloum, BSEE; Bekaa, Lebanon; Dean's List (5); Institute of Electrical and Electronic Engineers; Organization of Arab States, Chairman, Program Chairman; International Club.

James T. Taylor, BSEE; Worthington, Ohio; Institute of Electrical and Electronic Engineers; Sigma Phi Epsilon; IIT Flying Club.



George V. Theodore, BEE; Ft. Wayne, Indiana; President's List (2); Dean's List (2); Institute of Electrical and Electronic Engineers, Chairman of Publicity; Sigma Pi; Varsity Soccer.

Vassilios Voyadjakis, BCE; Ft. Wayne, Indiana; American Society of Civil Engineers.



Larry Wambscanss, BCE; Convoy, Ohio; Student Senate; Sigma Phi Epsilon; Varsity Basketball; Intramurals.

James W. Widenhofer, BSME; Findlay, Ohio; Dean's List (3); Flying Club, president, vice-president; Glee Club; Ice Hockey Club.

Max V. Wohlford, BSEE; Roanoke, Indiana.

Hasmukhlal Shah, BEE; Bombay, India; International Club; India Association.

Fall Graduates Not Shown

Abdou Abou-Antoune, BSEE (Math Op.); Beraa, Lebanon; Iota Tau Kappa; Institute of Electrical and Electronic Engineers; International Club, Chairman, Treasurer; Nations United Club.

Armando Alizo, BSCE, Caracas, Venezuela; Association of Latin American Students.

Manouchehre Askari, BSCE, Tehran, Iran.

George T. Clark, Jr., BSME, Corunna, Indiana.

Frank H. Dunbar, BSCE, Ormond Beach, Florida; Dean's List (3); Tau Kappa Epsilon, Treasurer, Social Chairman.

N. M. Ghandi, BSME, Bombay, India.

Charles W. Gardner, BSMa, Pittsburgh, Pennsylvania.

John W. Grasberger, BSME, Erie, Pennsylvania; Flying Club; Track.

Praful Malkan, BSChE, Bombay, India; President's List (1); Dean's List (2); Chemical Engineering Society.

Manuel Medina, BEE, Guayaquil, Ecuador; Latin America Association, Secretary; Varsity Soccer.

Shrenik H. Mehta, BChE, Bombay, India; Dean's List (1); Nations United; Chemical Engineering Society.

Dilipkumar N. Parikh, BSChE, Godhra, India; Dean's List (1); India Association; Chemical Engineering Society.

Winter

Graduates

Donald C. Alcorn, BSChE; Verona, Pennsylvania; President's List (1); Chemical Engineering Society, Secretary; American Chemical Society, Secretary; Student Senate, Treasurer; Sigma Phi Epsilon; Weight Lifting Club.

Jon K. Allsen, BSM; Ft. Wayne, Indiana; Dean's List (8); President's List (1); Caswell Award; Computer Lab Assistant.

Mervin E. Bavier, BSME; Flint, Michigan; President's List (2); Dean's List (3).

Leon L. Brantman, BSME; Muskegon, Michigan; Dean's List (1); Society of Automotive Engineers, Vice-President; Sigma Phi Epsilon; Weight Lifting Club.

Winter Graduates

Nicholas F. Brewer, BSME; Marion, Indiana; Tau Kappa Epsilon; Varsity Bowling Team; Bowling Club, Secretary; Intramurals.

Edward F. Bush, BSAeE; Reese, Michigan; Dean's List (2); Sigma Pi.

John R. Cromie, BSME; Ft. Wayne, Indiana; Dean's List (2); Alpha Omega Tau, President; Mechanical Engineering Club.

Lawrence C. Dickmander, BSEE; Archbold, Ohio; Institute of Electrical and Electronic Engineers.

Joseph A. D'Italia, BSCE; Woodside, New York; Student Senate Key; Student Senate; Tau Kappa Epsilon, Pledgemaster, Social Chairman.

J. H. Feldwisch, BSEE; Mendon, Ohio; Dean's List (1); American Institute of Electrical Engineers, Treasurer; Institute of Electronic and Electrical Engineers, Vice-Chairman, Treasurer; Kekiongan Amateur Radio Club, Secretary, Treasurer; Weight Lifting Club, Secretary-Treasurer; Computer Lab Assistant.

Robert E. Fletcher, BSMetE; Rochester, Indiana; Dean's List (1); Member of American Society for Metals.

Donald A. Gorr, BME; New Haven, Indiana; Dean's List (1); Society of Automotive Engineers.

Ronald L. Hoffman, BChE; Archbold, Ohio; Student Senate; Nucleus; Kappa Sigma Phi, Treasurer, Vice-President; Chemical Engineering Society.

Thomas Kinniry, BSEE; Ft. Wayne, Indiana; Phi Kappa Theta; Intramurals.

Wilfred G. Maillet, BSEE; Nova Scotia, Canada; President's List (7); Dean's List (3); Iota Tau Kappa; Institute of Electronic and Electrical Engineers; Student Senate; Who's Who Among Students in American Universities and Colleges; Alpha Omega Tau; Vice-President.

Gary Miller, BSME; Goshen, Indiana; President's List (4); Dean's List (1); Iota Tau Kappa; Society of Automotive Engineers.

Larry W. McClinton, BSPh; Beaver Falls, Pennsylvania; Theta Xi, Treasurer, Scholastic Chairman; Soccer, Manager; Physics Lab Assistant.

John P. O'Connor, BSME; Gloversville, New York; Phi Kappa Theta; Newman Club.

Candido Ortiz, BSEE; Ponce, Puerto Rico; Institute of Electrical and Electronic Engineers; Association of Latin American Students, Secretary; Amateur Radio Club.

John Pone, Jr., BSPh; Minneapolis, Minnesota; President's List (5).

Carlos A. Ramirez, BME; Bogota, Columbia; Latin American Club; International Club; Mechanical Engineering Club; Soccer; Intramurals.

Ismail Sengel, BEE; Ankara, Turkey; Dean's List (1).

Sidney A. Simon, BSPh; New York, New York; President's List (3); Dean's List (4); Physics Club; Judo Club, Treasurer; Physics Lab Assistant; Intramurals.

Winter Graduates Not Shown

Alejandro Alizo, BCE, Caracas, Venezuela; Association of Latin American Students; Intramurals.

J. J. Bhatt, BChE, Bombay, India; Chemical Engineering Society.

Jack L. Braun, BSCE, Ft. Wayne, Indiana; President's List (3); Dean's List (3); American Society of Civil Engineers.

C. David Dow, BEE, Ft. Wayne, Indiana; Institute of Electrical and Electronic Engineers; Alpha Omega Tau; Nucleus; Intramurals.

Edward W. Finnegan, BSAe, Romulus, New York; Student Senate, Newman Club; American Institute of Aeronautics and Astronautics.

Jayant Gala, BSChE, Bombay, India; Dean's List (1); Chemical Engineering Society; United Nations Club; India Association.

Niranjan Gandhi, BSME, Bombay, India.

Rajendra Khandhar, BChE, Gujarat, India.

Pranas Kizis, BSPh, DeLawd, Florida; Varsity Baseball.

Maki E. Erland, BEE, Crystal Falls, Michigan.

P. H. Malkan, BSChE, Bombay, India.

Melvin B. Mixner II, BSAe, Elmer, New Jersey; Student Senate; Student Conduct Committee; Junior Class Vice-President; Interfraternity Council, President; Tau Kappa Epsilon, President.

Lowell W. Roemke, BSAe, Ft. Wayne, Indiana; American Institute of Aeronautics and Astronautics.

David M. Roller, BSEE, Ft. Wayne, Indiana; Dean's List (1); Newman Club.

Michael E. Telley, BSMa, Ft. Wayne, Indiana; Dean's List (3); Physics Club.

T. B. Wojaczynski, BSMa, Ft. Wayne, Indiana; Dean's List (1); Alpha Gamma Epsilon; Tech Bowling Club.

Billy E. Young, BSEE, Hickory, North Carolina; Student Senate; Interfraternity Council; Institute of Electrical and Electronic Engineers; Sigma Phi Delta.

Boris Zinchenko, BEE, Ft. Wayne, Indiana.

Spring

Graduates

Mohamad Abdul-Jabber, BSEE; Tulkarm, Jordan; Dean's List (2); IEEE; Glee Club; Arab Student Organization; International Club.

F. David Albert, BSEE; Wabash, Indiana; Dean's List (3); Sigma Phi Epsilon; Student Senate, Vice President; Junior Class, Treasurer; Senior Class, Vice President.

Samir Ali, BSChE; Tulkarm, Jordan; Dean's List (2); Chemical Engineering Society; Arab Students Club; International Club.

Alejandro Alizo; BSCE; Santa Monica Carachs, Venezuela; American Society of Civil Engineers; Association of Latin American Students, President, Secretary, Coordinator.

Spring Graduates

Bruce Allen, BSCE; Scotia, New York; Alpha Gamma Upsilon, President, Vice President, Treasurer, Social Chairman.

Thomas J. Barbiere, BSChE, Math Option; Dean's List; President of Chemical Engineering Society; Tech Manor Club, Treasurer; Campus Counselor; Sigma Pi Fraternity; Weight lifting Club; Intramurals.

Maynard G. Beck, BSEE; Alexandria, South Dakota; IEEE.

M. R. Bethell, BSME; Mechanical Club; Tau Kappa Epsilon; Intramurals; Intramurals; Convocation Committee.

Carlo Blasetti, BSEE; Yonkers, New York; Institute of Electronic and Electrical Engineers.

Vincent J. Bober, BSME; Salem, Ohio; Caswell Engineering Award; Mechanical Engineering Club; Society of Automotive Engineers; Student Instructor in Engineering Graphics.

Lewis J. Bornman, BSMA; Absecon, New Jersey; President's List, Dean's List; Computer Lab Assistant; American Institute of Physics; Math Club; Sigma Phi Epsilon; Amateur Radio Club; Veterans Club; Judo Club; Weight Lifting Club; Student Council, President; Sophomore Class Treasurer; Junior Class, Secretary; Tech Manor Club; Dormitory Counselor; Nucleus Staff; Varsity Fencing Team; Cross Country Track Team.

Ravi Chand Bothra, BSME; Math. Option; Calcutta, India; President's List (3); Dean's List (4); Iota Tau Kappa; Computer Lab Assistant; Mechanical Engineering Club Secretary; Society of Automotive Engineers; India Association; International Club.

Bruce E. Browand, BSEE; Elyria, Ohio; Institute of Electrical and Electronic Engineers; Alpha Omega Tau, Vice-President and Treasurer.

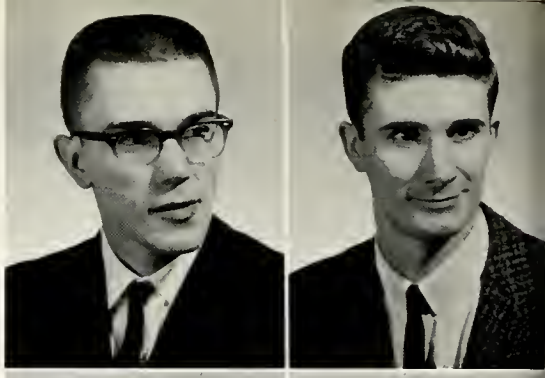
Frank N. Buzzanca, BSME; Clearfield, Penna; Mechanical Engineering Club; Tau Kappa Epsilon; Student Senate; Interfraternity Council; Varsity Track.

Earl W. Carey, BSEE; Math. Option; Easton, Penna. Newman Club, President; Student Senate; Vice-President Sophomore Class; President's List (5); Dean's List (2); Dormitory Counselor.

Perry Chin, BSEE; New York, New York; Institute of Electrical and Electronic Engineers; Glee Club; Tech Manor Club; Dean's List (2); Who's Who Among Students in American Universities and Colleges.

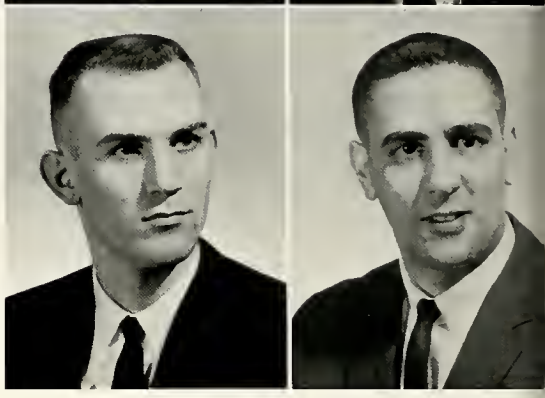
Joseph M. Concannon, BSChE; Girard, Ohio; President's List (2); Dean's List (4); Chemical Engineering Society, Vice President; Sigma Pi, President, Secretary; IFC representative; Year Book Staff; Dormitory Governor.

Rollin B. Cook, B.S. in Chemistry; Bloomingburg, New York; American Chemical Society; Dormitory Governor, Intramural Sports.



Robert Charles Craig, BSEE; Oreland, Pennsylvania; Dean's List (7); IEEE; Sophomore Class Vice President; Student Senate; Senior Class Secretary; Intramurals.

Ralph W. Depaola, BSME; Garrett, Indiana; Dean's List (2); Mechanical Engineering Club; Alpha Omega Tau, President, Business Manager; Year Book Staff; Intramural Sports.



David L. Durand, BSEE; Watertown, New York; President's List (1); Dean's List (1); Theta Tau Upsilon; Amateur Radio Club; Student Council; Freshman Class President; Sophomore Class President.

Jerome Ervin Jr., BS in Physics; Cumberland, Maryland; Scholastic Achievement Award 1962; President's List (2); Dean's List (5); Physics Club; Weight Lifting Club; Intramural Sports.

Donald F. Forbes, BSCE; Fort Wayne, Indiana; Dean's List (1); ASCE; Newman Club, West Indian Student Association; Varsity Soccer.

John W. Foster, BSME; Marion, Indiana; Society of Automotive Engineers; Tau Kappa Epsilon Fraternity; Intramural Sports.

David R. Farkas, BEE; McKeesport, Pennsylvania; Dean's List (1); Institute of Electrical and Electronic Engineers; Tau Kappa Epsilon; Flying Club; Weight Lifting Club.

Charles E. Funk, BSME; Wooster, Ohio; Caswell Award, Dean's List (6); Mechanical Engineering Club.

Charles R. Gallion, BSEE; New York, New York; Alpha Omega Tau, Secretary; Institute of Electronic and Electrical Engineers.

Keith M. Gamsby, BSEE; Beecher Falls, Vermont; Dean's List (1); Sigma Phi Epsilon; Student Council; Judo Club; Institute of Electrical and Electronic Engineers.

Ronald J. Garuckis, BSME; Binghamton, New York; President's List (2); Dean's List (2); Who's Who in American Colleges and Universities; Tech Manor Club; Varsity Golf.

Thomas E. Haley, BSEE; Toledo, Ohio; Dean's List (1); Institute of Electrical and Electronic Engineers; Tech Manor Club; Dormitory Counselor.

Dan R. Hartwick, BSAeE; Paulding, Ohio; Dean's List (2); Sigma Phi Delta, Vice President, Secretary, Treasurer.

Albert T. Hendricker, BSCE; Aurora, Illinois; Dean's List (2); American Society of Civil Engineers; Dormitory Counselor.

David Hickman, BSEE; Math. Option; Fort Wayne, Indiana; Dean's List (2); Carmi Award; Sigma Phi Epsilon; Varsity Basketball, Co-Captain; Volley Ball; Varsity Track; Physical Education Student Instructor.

Lawrence J. Hill, BSME; Vienna, Virginia; Society of Automotive Engineers; Dean's List (3).

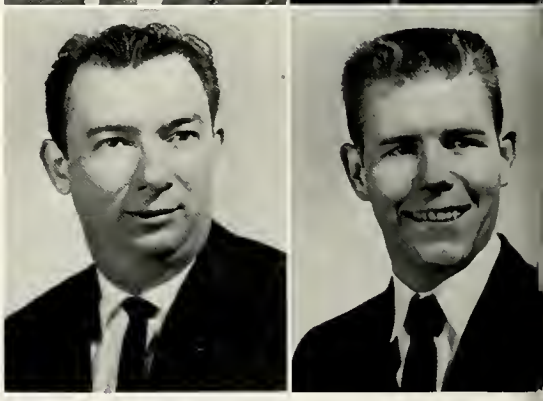
Kenneth L. Hoffman, BSME; Monroeville, Indiana; Math. Option; President's List (3); Dean's List (3); Mechanical Engineering Club; Society of Automotive Engineers; Epsilon Phi of Gamma Delta; Glee Club.

Jack C. Hungate, BSEE; Paulding, Ohio; President's List (2); Dean's List (6).

Carl W. Karlson, BSCE; Masonville, New York; President's List (1); Dean's List (1); American Society of Civil Engineers; Tech Manor Club; Weight Lifting Club; Dormitory Counselor.

Rajendra Paramanand Khandhar, BChE; Mai Mandir, Surendranagar, India; Chemical Engineering Society; Nations United; India Association; International Club.

Donald P. Kiewitt; BSMa, Indianapolis, Indiana; Dean's List (2); Tau Kappa Epsilon; Student Senate; Varsity Baseball, Batting Champion (63).



Ralph L. Kistner, BSAe, Winston-Salem, North Carolina; American Institute of Aeronautics and Astronautics (Vice-President); Fencing Team; Bowling League.

Charles J. Knarr, BSEE; Fort Wayne, Indiana; Weight Lifting Club.

John Koszeghy, BSEE; New Brunswick, New Jersey; Dean's List (1); Institute of Electrical and Electronic Engineers; Amateur Radio Club.

Richard A. Krebs, BSChE; Math. Option; Massillon, Ohio; President's List (1); Dean's List (2); Chemical Engineering Society; Sigma Phi Epsilon; Student Senate; Junior Class, President.

Stephen C. Krouse, BSMa; Fort Wayne, Indiana; Dean's List (4); Varsity Soccer; Varsity Volleyball.

Francis Kushner, BSME, Math. Option; Natrona, Pennsylvania; President's List (10); Dean's List (1); Iota Tau Kappa; President's Award; Tech Manor Scholarship Award; Who's Who in American Colleges and Universities; Computer Lab Assistant.

Paul J. Leasor, BSME; Rockford, Ohio; Dean's List (1); Society of Automotive Engineers; Mechanical Engineering Club; Varsity Volleyball.

Robert G. Leiendecker, BSME; Deshler, Ohio; Tau Kappa Epsilon; Dean's List (3).

Wallace C. Michaelis, BSEE; Monticello, Minnesota; President's List (1), Dean's List (7); President, Tech Flying Club.

Melvin T. Mills, BSEE; Wilson, North Carolina; President's List (3); Dean's List (6); Who's Who in American Colleges and Universities; Institute of Electrical and Electronic Engineers; Alpha Omega Tau.

Stanley R. Mitchell, BSChem.; Math. Option; Bridgman, Michigan; Dean's List (3); Sigma Phi Epsilon; Student Council; Nucleus; Tech Manor Club; Dormitory Governor; Lab Assistant.

David J. Nash, BSEE; Mt. Vernon, Ohio; Kekionga Feather Award; Institute of Electrical and Electronic Engineers; Sigma Phi Epsilon; Student Senate; Senior Class President.

Dennis W. Parrott, BSChem.; Decatur, Indiana; President's List (2); Dean's List (5); Dormitory Governor; Sigma Phi Epsilon; American Chemical Society; Tech Manor Club.

John Petko, BSEE, Math. Option; Binghamton, New York; Dean's List (1); Sigma Pi; Newman Club; Tech Manor Club; Dormitory Governor.

Chester S. Pietras, BSChem.; Fort Wayne, Indiana; Dean's List (4); American Chemical Society; Sigma Phi Epsilon; Nucleus; Chemistry Lab Assistant.

Phillip R. Reed, BSChem.; Decatur, Indiana; President's List (2); Dean's List (7); American Chemical Society; American Institute of Physics; Sigma Pi.

Laurence W. Regular, BSCE; Delhi, New York; Dean's List (1); American Society of Civil Engineers.

Joseph G. Rittler, BSEE; Rochester, New York; Institute of Electrical and Electronic Engineers; Theta XI.

David J. Roemer, BSAeE; York Springs, Pennsylvania; American Institute of Aeronautics and Astronautics; Flying Club President.

Daniel B. Sachuk, BSME; Stamford, Connecticut; Iota Tau Kappa, President's List (4); Dean's List (10); Mechanical Engineering Club; Weight Lifting Club.

Cornelius P. Schachte, BSME; Norvelt, Pennsylvania.

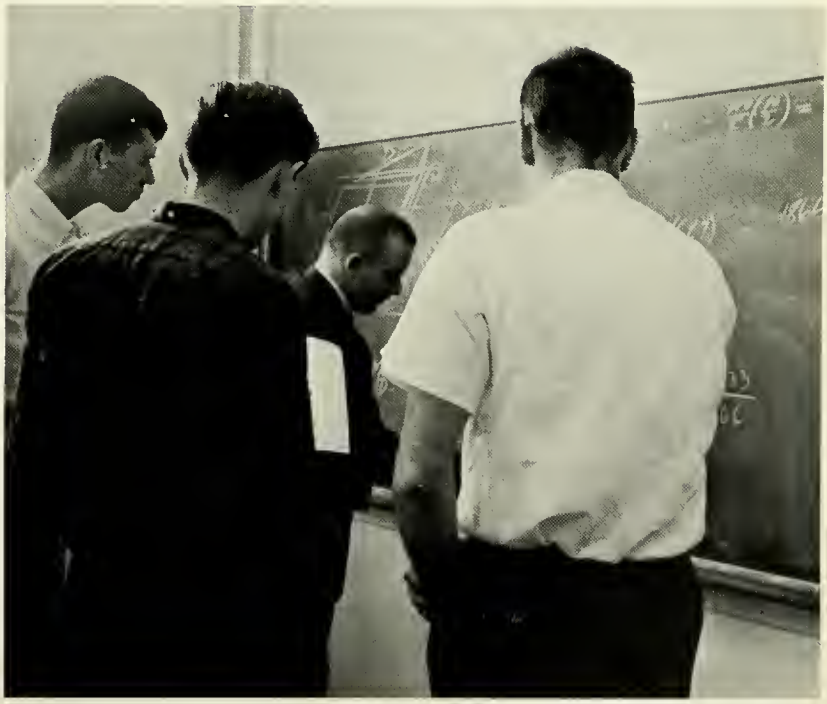
Kishor R. Shah, BSChem.; Bombay, India; Chemical Engineering Society; India Association; Nations United.

Pravinchandra C. Shah, BSChE.; Bombay, India; Dean's List (1); Chemical Engineering Society; Nations United; India Association.

Joseph Shapira, BSCE; Nathanya, Israel; Dean's List (2).

Surrinder Singh, BME; Amritsar, India; Weight Lifting Club; Glee Club; India Association; Nations United.

John J. Stauble BSMa; New York, New York; Alpha Phi Omega; Glee Club.



Ray H. Stutzman, BSEE; Hopewell, New York; President's List (1); Dean's List (7); Sigma Phi Epsilon; Student Council; Institute of Electrical and Electronic Engineers.

Nalin K. Vaidya, BSChem.; BSChE; Bombay, India; Chemical Engineering Society; Glee Club; International Club; Nations United.

Bipin K. Vora, BSChE.; Ahmedabad, India; Vice-President Chemical Engineering Society; India Association; President's List (1); Dean's List (4); George W. Heise Award.

David Wanhatala, BSCE; Stow, Massachusetts; Association of Civil Engineers; Sigma Phi Epsilon.

David A. Watkins, BSEE; Columbia City, Indiana; Delta Sigma Phi; Institute of Electrical and Electronic Engineers; Ice Hockey Club.

James Wiley, Farmville, Virginia; Institute of Electrical and Electronic Engineers.

Lew Wolfe, BSME; Dean's List (2); Mechanical Engineering Club; Albion, Indiana.

Harold J. Young, BSEE; Math. Option; Iota Tau Kappa; President's List (6); Dean's List (4); Who's Who in American Colleges and Universities; Alpha Omega Tau; President Institute of Electrical and Electronic Engineers.

Spring Graduates Not Shown

James Lloyd Cahoon, BSEE; Fort Wayne, Indiana.

Niranjan Gandhi, BSME; Bombay, India.

Arthur Goldstein, BSAeE; Swan Lake, New York; American Institute of Aeronautics and Astronautics; Varsity Baseball; Mid-Central Conference Badminton Champion.

Larry J. Kinsey, BSEE; Port Clinton, Ohio; President's List (3); Dean's List (8); Institute of Electrical and Electronic Engineers.

Michael C. Resetar, BSAeE; Bethlehem, Pennsylvania; American Institute of Aeronautics and Astronautics; Dean's List (1); Sigma Phi Delta.

Donald M. Roller, BSEE; Fort Wayne, Indiana; Dean's List (1); International Radio Club.

Ismail Sengel, BSEE; Ankara, Turkey; Dean's List (1).

Dilip G. Shah, BSChemE; Bombay, India; American Institute of Chemical Engineers; India Association.

Hasmukhlal Shah, BSChE.; Bombay, India; Chemical Engineering Society; Glee Club; American Institute of Chemical Engineers; India Association.

Voyadjakis Vassilior, BSCE; Athens, Greece; American Society of Civil Engineers.

Summer

Graduates

Albert Lee Akers, BSME; Louisa, Kentucky; President's List (2); Dean's List (2); Alpha Omega Tau, Mechanical Engineering Club; Princess Elkhorn Scholarship.

Ralph L. Armstrong, BSEE; Clarendon, Jamaica; International Student Organization; Soccer.

James H. Bucksbee, BSAE; Meadville, Penna.; Dean's List (5); E.G. Assistant (1); Sigma Phi Delta; American Institute of Astronautics and Aeronautics, President; Fencing.

Walter M. Chrush, BSEE; Math. Option; President's List (1); Dean's List (1); Institute of Electrical and Electronics Engineers; Tau Kappa Epsilon, President; Student Senate, President; Interfraternity Council; Junior Class Vice-President; Weight-Lifting Club; Bowling Club; Varsity Baseball.

Summer Graduates

First Row Below; Charles Coleman, BEE; Chillicothe, Ohio; Dean's List (2); Institute of Electrical and Electronic Engineers; Alpha Omega Tau; Glee Club (5).

Kenneth Coon, BSME; Clearfield, Penna.; Mechanical Engineering Club; Tau Kappa Epsilon; Intramurals.

Roger Lynn Diffendarfer, BSME; Fort Wayne, Indiana.

Thomas E. Dravis, BSCE; Elton, Penna.; American Society of Civil Engineers; Dean's List (1); Tau Kappa Epsilon, Vice-President.

Above:
Jose A. Eliaz, BSME; Caracas, Venezuela; American Society of Mechanical Engineers; Latin American Student Organization; Newman Club; Varsity Soccer.

Frank Ello Jr., BSAeE.; Carteret, New Jersey; Dean's List (1); President's List (1); Institute of Aerospace Sciences; Sigma Phi Epsilon; Weight Lifting Club; Freshman Class Secretary.

Earl R. Hartle, BSCE; Amherst, Ohio; American Society of Civil Engineers; President's List (1); Pi Kappa Alpha; Judo Club, President.

Prescott R. Hoeck, BSAeE; Arlington, Virginia; American Institute of Aeronautics and Astronautics; Alpha Gamma Upsilon, President; Flying Club; Interfraternity Council; Rifle Club; Track Team; Bowling Team; Student Senate; Dean's List (2).

Below: Douglas G. Hope, BSME; Ramsey, New Jersey; President's List (2); Dean's List (9); Glee Club (5); Inter-Varsity Christian Fellowship, Vice-President.

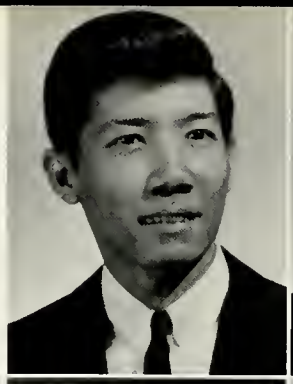
Roger W. Hope, BSEE; Ramsey, New Jersey; Inter-Varsity Christian Fellowship, President.

Edward W. Hutter, BSEE; Fort Wayne, Indiana; Theta Mu Pi, Treasurer; Iota Tau Kappa; President's List (5); Dean's List (2).

Charles A. Johnson, BSME; New Haven, Indiana; Society of Automotive Engineers; Mechanical Engineering Club; Dean's List (1); Varsity Track.

Sanong Jotikasthira, BSCE; Bangkok, Thailand.

Roland Kerr, BSEE; BSME; Fort Wayne, Indiana; Institute of Electronic and Electrical Engineers; Dean's List (5).



Tom Kingston, BSME; Maysville, Kentucky; Mechanical Engineering Club; Flying Club.

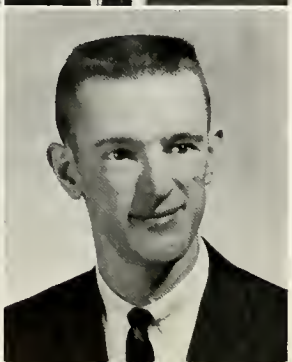
John Kirkland, BSMa; Laporte, Penna.

John D. Kistner, BSEE; Dallas, Texas; President's List (1); Dean's List (5); Institute of Electronic and Electrical Engineers; Secretary.

Carl Kitz, BSChem.E.; Bronx, New York; Chemical Engineering Society; Tau Kappa Epsilon; Weight Lifting Club; Varsity Baseball Team.

Sun Pui Kwok, BSME; Hong Kong; Dean's List (2) President, Chinese Student Association.

Samuel G. Lachmann, BSEE; New Haven, Indiana; Institute of Electronic and Electrical Engineers; Iota Tau Kappa; Eugene Pulliam Scholarship Award; President's List (2); Dean's List (6).

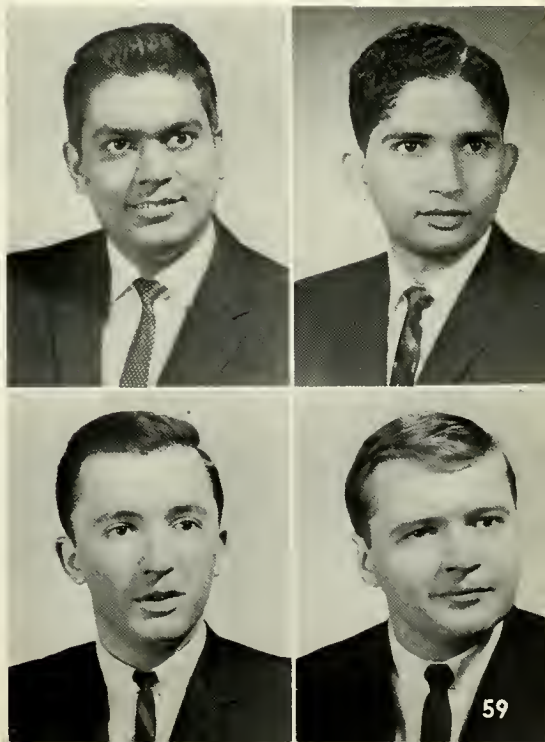


Charles Lott, BSME; Darlington, Alabama; President's List (4); Dean's List (4).

Lee Myers, BSCE; Carlisle, Penna.

Paul J. Parker Jr., BSME; Decatur, Illinois; Mechanical Engineering Club; Newman Club; Flying Club; Varsity Baseball.

Amrutlal Patel, BSChE; Navsari, Gujarat, India; Chemical Engineering Society; Glee Club, Indian Association, International Student's Club.



Arvind Patel, BSChE; Gujarat, India; Chemical Engineering Society; Glee Club; Nations United Club; India Association; International Students Club.

Vijay K. Patel, BSChE; Ahmedabad, India; Dean's List (1); India Association; Nations United Club.

Robert J. Perillo, Schenectady, New York; BSAeE; President, Theta Xi.

Kenneth E. Plummer, BSChE; Clearfield, Penna.; Chemical Engineering Society; American Institute of Chemical Engineers; Tau Kappa Epsilon; Interfraternity Council, President; Bowling Team.

Sabah Amin Rayyes, BSCE; Kuwait, Arabia; Civil Engineering Society; American Metal Society; Organization of Arab Students, President; Arabic Language Instructor; Soccer.

James A. Reed Jr., BSEE; Bellwood, Penna.; Institute of Electronic and Electrical Engineers; Dean's List (1); Varsity Baseball.

Erling Ronning, BSEE; Fort Wayne, Indiana; Institute of Electronic and Electrical Engineers; Dean's List (5); President's List (1); Weight Lifting Club.

James A. Rudaitis, BSMA; Wilkes-Barre, Penna.; President's List (1); Dean's List (1).

Harvey Rutstein, BCE; Baltimore, Maryland.

Farouk F. Saad, BSEE; Math. Option; Haifa, Israel; Institute of Electronic and Electrical Engineers; Organization of Arab Students; International Club.

Dennis Sassa, BSEE; Philadelphia, Penna.; President's List (5); Dean's List (4); Iota Tau Kappa; President, Institute of Electronic and Electrical Engineers; Treasurer, Sophomore Class.

Manubhai Shah, BSChE; Bombay, India; Chemical Engineering Society; American Institute of Chemical Engineers.

William R. Smith, BSME; Greentown, Penna.; President's List (1); Dean's List (4); Mechanical Engineering Club; Society of Automotive Engineers.

Ravi R. Talwar, BSME; New Delhi, India; Dean's List (6); Mechanical Engineering Club; Society of Automotive Engineers; International Club.

Yogeshchandra Chimanlal Trivedi, BSChE; Surat, India; Dean's List (3); Chemical Engineering Society; Glee Club; American Institute of Chemical Engineers; India Association; Nations United Club.

Charles J. Utrias, BSEE; Newark, New Jersey; Institute of Electrical and Electronic Engineers; Phi Kappa Theta, President; Interfraternity Council.

Robert Wagoner, BSCE; Logansport, Indiana; American Society of Civil Engineers; Sigma Phi Epsilon; Tech Manor Club.

George J. Wagner Jr., BSME; Math. Option; Venetia, Penna. Dean's List (2); Varsity Fencing.

David L. Whirrett, BSCE; Paulding, Ohio; President's List (2); Dean's List (8); American Society of Civil Engineers; Sigma Phi Epsilon; Varsity Track.

Elie Y. Dallal, BSME; Beirut, Lebanon; Organization of Arab Students; Mechanical Club; International Club; Glee Club.

Summer Graduates Not Shown

Elie Y. Dallal, BSME; Beirut, Lebanon; Mechanical Engineering Club.

Robert B. Henriksen, BSAeE; Brielle, New Jersey; President's List (2); Dean's List (1); Alpha Omega Tau; American Institute of Aeronautics and Astronautics.

Kay T. Kawabe, BSEE; Math. Option; Maunaloa, Molokai, Hawaii; Hawaiian Club, Secretary, Treasurer.

Peter Paul, Jr., BSCE; Buffalo, New York; Dean's List (2); American Society of Civil Engineers, Secretary; Student Senate; Nucleus Staff.

Jorge A. Salazar, BSEE; Bogota, Colombia; President's List (3); Dean's List (4).

James Schirott, BSME; Racine, Wisconsin; Mechanical Engineering Club, Sigma Phi Delta, Vice President; Student Senate; Golf Team.

Alfred Tengan, BSME; Wailuku, Maui, Hawaii; Hawaiian Club; Intramural Bowling.

Sam Troutman, BSEE; Kingwood, West Virginia; President's List (1); Dean's List (4); Iota Tau Kappa; Institute of Electronic and Electrical Engineers.

Arnold J. Voehringer, BSCE; Philadelphia, Pennsylvania; Dean's List (1); Civil Engineering Club; Sigma Pi, Vice-President.

Larry Wambsganss, BSCE; Dean's List (2); Convoy, Ohio; Sigma Phi Epsilon; Student Council; Varsity Basketball.

John D. Winebrenner, BSEE; Albion, Indiana; Dean's List (4); CARMI Award; Varsity Basketball (4).

Athletics

First Row: Warren Erb, Don Chislaghi, John Logan, Ken Taylor, Jim Fisher, Bjorn Oseid, Charles Perrin, John Puckett, Tom Eviston. *Second Row:* Clarence Meadows, Trainer; Carlos Medina, Tony Eliaz, Carlos Ramirez, Ricardo Cruz, Dave Aleong, Howard Bishop, Jerry Weber, Gary Williams, Craig McGinnis, Bob Waskiewicz, Manager. *Third Row:* Victor Tsao, Jim Lynch, Dan Krepich, Steve Krouse, Steve Pittl, Captain; Ed St. Claire, Al Fiorentino, Ted Wasielewski, George Sadanke, Charles Mombo, George Morhack, Steve Bagley.

Soccer

The soccer team completed a season of three and eight by defeating Goshen, Concordia and Calvin. Penalties plagued the Warriors in several games and stopped many offensive drives. The team was also hampered by costly errors including two goals scored for the opposition by a Tech player in the same game.

Captain Syeve Pittl established the school records of most points scored in one season with seventeen points and the most points in a career with 38 points. Calos Medina and Tony Eliaz set a school record for the most assists in a single game with two each.

STEVE PITTL

SCOREBOARD 1964

TECH	3	Goshen	1
TECH	0	Cedarville	3
TECH	8	Concordia	4
TECH	2	Indiana U.	5
TECH	5	Prudue	9
TECH	1	Concordia	3
TECH	2	Goshen	5
TECH	2	Notre Dame	5
TECH	2	Earlham	3
TECH	1	Ball State	2
TECH	4	Calvin	1

STEVE KROUSE

CARLOS RAMIREZ

STEVE KROUSE, STEVE PITTL

C. RAMIREZ, T. ELIAZ

T. ELIAZ
S. PITTL

TOM EVISTON

Coach McManama and Team

TERRY GLEAVE

Cross Country

First Row:
Dan Albert
Mike Warnock
Terry Gleave
Ed Bender
Brian Weldon
Second Row:
Dave Robling
Barry Profeta
Bob Woodward
Dick Nott
Ross Andrews
Third Row:
Coach Bob Macy
John Gres
Marvin DuBois
Bob Cronan
Coach Jerre VanMeter

A Tense Moment At the Starting Line

The Tech cross country team completed the season with a fine seven victories and two losses record. The team began the season poorly when running the three mile courses, but their performance improved when the longer races were run. Tech captured first place in the Mid Central Conference cross country meet held at McMillen Park. In the meet Tech took the first four, the sixth, and the fourteenth places among the twenty runners present.

Dan Albert ran second in Indiana's first AAU 10,000 meter cross country race. Ross Andrews and Mike Warnock also finished in the top twelve positions in the race.

DAN ALBERT

Over Hill and Dale

First Row: Bob Macy, Coach; John Gres; Jim Wagner; Dave Hickman; Ross Cole; Ray Thompson; Jerre McManama, Assistant Coach.
Second Row: Clarence Meadows, Manager; Mike Wood; Jime Brown; Carl Jacquay; Dennis Buuck; Ron Zigler.

The Warriors continued the fast moving style of basketball that has been so successful in the past. This season the team completed the finest record to date with a 24 and 3 record. The team captured the Rochester Tech Tourney, the Mid Central Conference Title and championship of NAIA District 21. The Warriors ended their very successful season when they lost to a strong Southern University of Louisiana team in the playoff at Kansas City, Missouri.

Tech was proud to have our team go as far as they did. Many times the team came from behind with a lot of individual effort by the players and went on to victory. This season in particular saw Tech as a second half team. There were many outstanding individual performances but generally speaking they won their games by solid teamwork, good coaching and a lot of spirit.

Ron Zigler became the second leading scorer in the history of Indiana collegiate basketball when he scored his 2270 point in the Huntington game. Ron also set a record for the most free throws in one season with 139.

The loss of seniors Ron Zigler, Dave Hickman and Ray Thompson will pose some problems. Coach Macy has a lot of good potential on the team now and we are looking forward to a successful season next year.

GAME RESULTS

Tech	89	Olivet	81
Tech	119	Spring Arbor	75
Tech	108	Grace	92
Tech	96	Blufton	79
Tech	96	Wm. Penn	69
Tech	91	Franklin	67
Tech	109	Huntington	92
Tech	93	Concordia	67
Tech	74	Tri-State	71
Tech	105	St. Francis	65
Tech	113	Anderson	100
Tech	109	Detroit College	99
Tech	95	Earlham	86
Tech	85	Tri-State	98
Tech	113	Davenport	85
Tech	99	Concordia	64
Tech	101	Malone	64
Tech	95	Huntington	70
Tech	123	Spring Arbor	100
Tech	90	Grace	87

RIT TOURNEY

Tech	82	West Virginia Tech	81
Tech	107	Rochester Tech	77

IIT TOURNEY

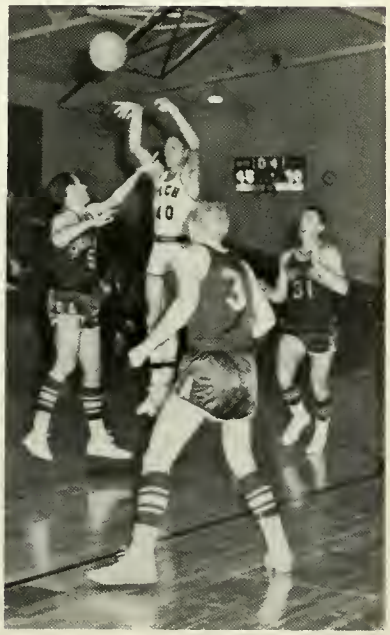
Tech	110	Detroit	71
Tech	74	Tri-State	76

NAIA PLAYOFFS

Tech	84	Anderson	75
Tech	99	Manchester	91
Tech	77	S.U. of Louisiana	94

ED WOODS

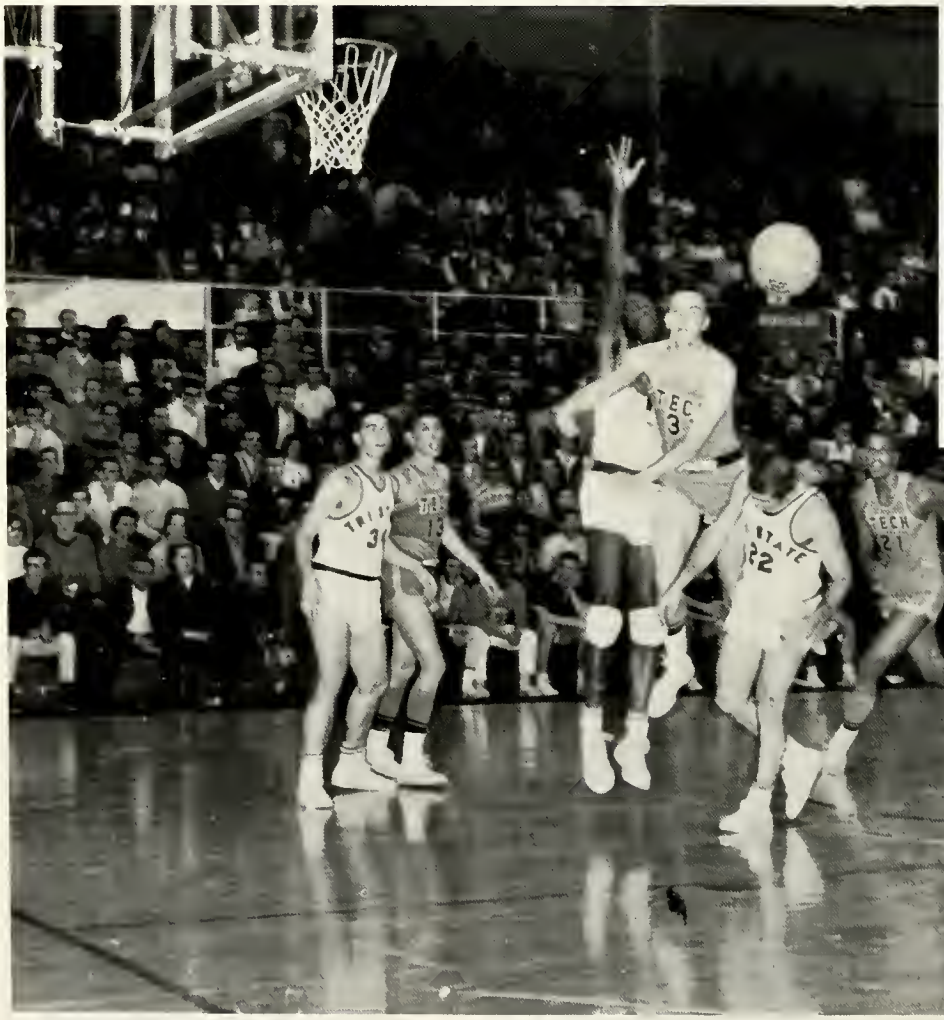
RAY THOMPSON



RON ZIGLER

Left to Right: Denise Zwiller, Nancy Caudille, Karen Failor, Brenda Mielke.

DENNIS BUUCK



JIM BROWN

DAVE HICKMAN

JIM WAGNER

Fans

JOHN GRES

ROSS COLE

Managers

TECH
10
25
4

Hilliard Gates, WKJG Sportscaster

President Thoma congratulates Warriors

Tech Warriors Recognition Dinner

Hilliard Gates, WKJG Sportscaster, acted as master of ceremonies for Tech's first Warrior Recognition Dinner. There were approximately 400 people present to give recognition to the team's outstanding performance during the past season. Coach Macy presented awards to the team and told interesting facts about each player. Ray Eddy, retiring Purdue basketball coach, gave an interesting talk on some of the humorous situations that developed during his career.

Jack Dillon, president of Tech's Alumni Association, presented Coach Macy with the honorary Silver Slide Rule award for his contribution to the prestige of Tech.

President Thoma closed the successful dinner with thanks to those instrumental in planning the banquet.

Special recognition given to Tech's head cheerleader; Denise Zwiller

Tech's Warriors

RON ZIGLER

John Gres receives Sigma Pi sportsman award.

Seniors receive Tech Blankets

RAY THOMPSON

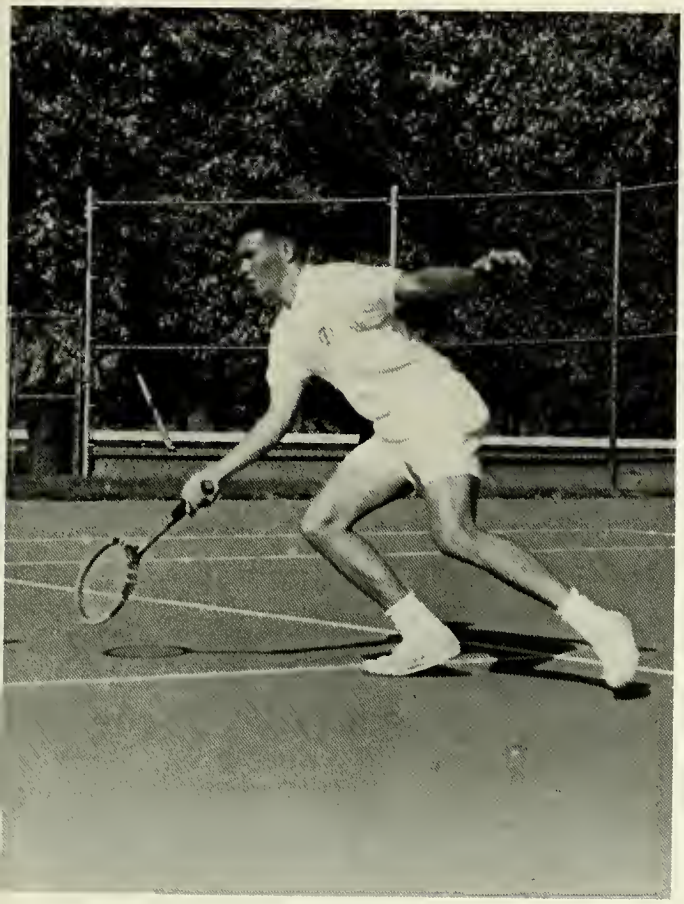
DAVE HICKMAN

Front Row: Don Ratacjzak, Ron Sheets, Dave Cross
Back Row: Coach Ben Dow, Don Crissman, Hans Schnabel, Drayton Cooper

Tennis

The Tech tennis team coached by Ben Dow and captained by Don Crissman compiled nine victories and no defeats. The team also captured the M.C.C. crown in tennis. This season climaxed a continuing improvement of Tech's tennis squad in the last few years. The team had several hard fought contests, especially against Tri-State and Huntington. Don Crissman was selected the Most Valuable Player on the team.

DON CRISSMAN



RON SHEETS

HANS SCHNABEL

TENNIS SCOREBOARD

Tech	7	Ft. Wayne Bible	0
Tech	6	Grace	1
Tech	4	Huntington	3
Tech	4	Tri-State	3
Tech	5	Concordia	2
Tech	4	Huntington	3
Tech	7	Grace	0
Tech	5	Concordia	2
Tech	7	Tri-State	0

DAVE CROSS

Tech Warriors Recognition Dinner

Coach Ben Dow tells of Tech's successful Tennis season.

DAVE CROSS

DRAYTON COOPER

DON CRISSMAN

RON SHEETS

DON RATACJZAK

Front: Dave Robling, Marvin DuBois, Barry Profeta, John Morse, Paul Nussen, Art Hammond, Dan Lambert, Ron Chaplin. *2nd Row:* Clarence Meadows, Mgr.; Garry Looker, Dan Swartz, Terry Gleave, Bob Woodward, Don Wise, Jim Levey. *3rd Row:* Jim Wagner, Mike Wood, Don Zehner, Dave Hurd, Mike Fitch, Joe Beebee, Ed Kopala, Bob Cronan.

Track

MIKE FITCH, 1st place in discus and shotput.

Lane 2: JOHN MORSE—High Hurdles

BARRY PROFETA, Pole Vault

Coach Macy talks to trackmen

Relay

ED KOPALA, 1st place in Javelin, All Conference record.

Lane 1: TERRY GLEAVE, *Lane 2:* BOB CRONAN

Start of the mile run.

JOE BEEBE

MIKE WOOD, Triple jump

Hurdles, *Lane 2:* DAVE HURD; M.C.C. All Conference record 38.6 sec.

ART HAMMOND

MARVIN BuBOIS, 2nd in mile run.

Theta Xi Versus
Sihler Hall

Sigma Phi Delta versus Sigma Pi

Intramural Football

Front Row (L-R) Fred Gaspardo, John Jones, John Puckett, Art Goldstein, Jack Kowaleski, Herschel Clause. *Middle Row (L-R)* Dan Helker, Bob Chatlosh, Levere Starner, Ron Brillhart, Jim Fisher, Dave Melton. *Back Row (L-R)* Bob Waskiewicz (MGR), Don Kiewitt, Jim Wagner, Bill Anderson, Dick Schultz, John Morse, Dan Lambert, Coach McManama.

Baseball

The Tech Warriors coached by Jerre McManama had a successful season. They had a record of 7 wins and 5 losses. Eviston was the leading hitter with a batting average of .333. Dan Lambert had a pitching record of 5 wins and 3 losses. Morse and Shultz both had pitching records of 1 win and 1 loss each.

There was a lot of good baseball played this season. Tech seems to be improving every year. Coach McManama is looking forward to a good season next year with many of his regulars staying on plus some hot prospects from the incoming Freshman class.

TECH SCOREBOARD

Tech	3	Finlay	1
Tech	1	TRI-State	5
Tech	2	St. Francis	6
Tech	4	Huntington	2
Tech	12	Concordia	6
Tech	4	Grace	3
Tech	0	Concordia	1
Tech	4	St. Francis	2
Tech	7	TRI-State	12
Tech	7	Grace	6
Tech	6	Huntington	3
Tech	0	Anderson	6

Dan Lambert pitches against Tri State.

Don Kiewitt singles.

Herschel Clause bats in a run.

DAN LAMBERT

HERSCHEL CLAUSE

Art Goldstein safe on second.

Fred Gaspardo coming home.

Squeeze play

L-R Back Row: Coach Ben Dow, Jim Newton, Al Kruetzman, Jack Scoggan, Joe Zacharias.
Front Row: Jack Griffin, John Landgraf, Ron Garuckis.

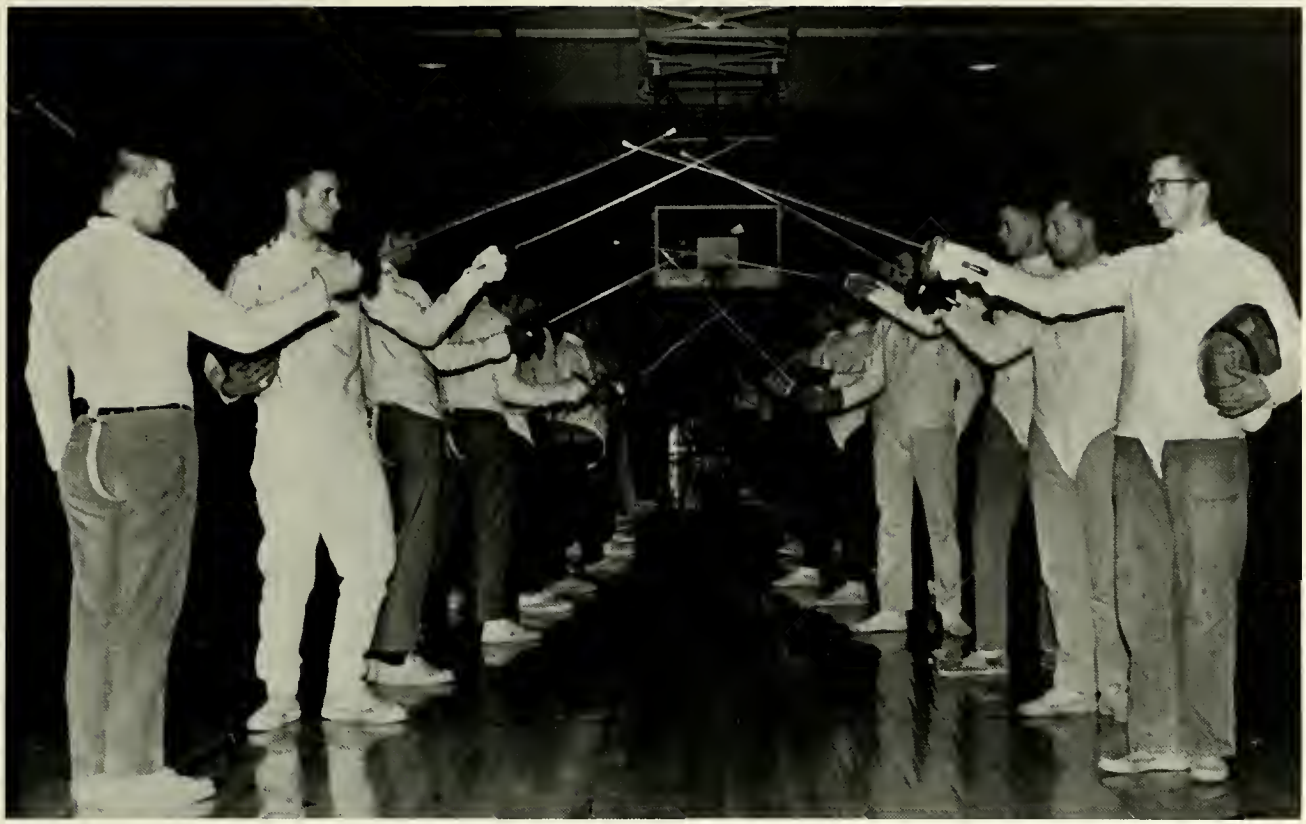
Golf

Tech's golf team, coached by Ben Dow, had a good season with a conference record of 4 wins and 4 losses: against an overall record of 6 wins and 5 losses. Jack Scoggan was top man with an average of 75.4 for conference play. Al Kruetzman and Joe Zacharias followed with averages of 83 and 84.1 respectively. The team placed third in conference play.

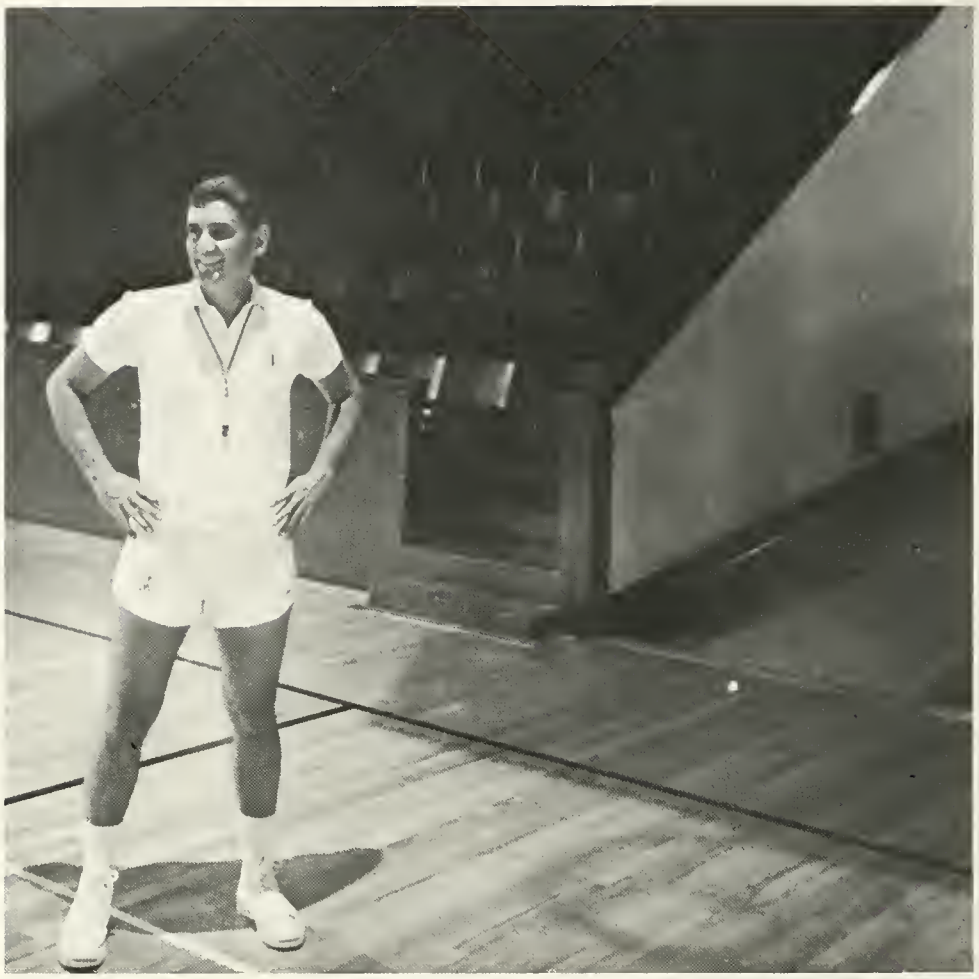
SCOREBOARD

Tech	6	Huntington	9
Tech	12	Grace	3
Tech	9½	Concordia	5½
Tech	5	Huntington	10
Tech	11½	I.U.-Purdue	3½
Tech	9½	Concordia	5½
Tech	4½	Tri-State	10½
Tech	5	Manchester	10
Tech	11	I.U.-Purdue	4
Tech	15	Grace	0
Tech	5	Tri-State	10

Little State Golf Meet—NAIA 7th place



Fencing



Coach: ROBERT MACY

Coach: JERRE McMANAMA

Departments

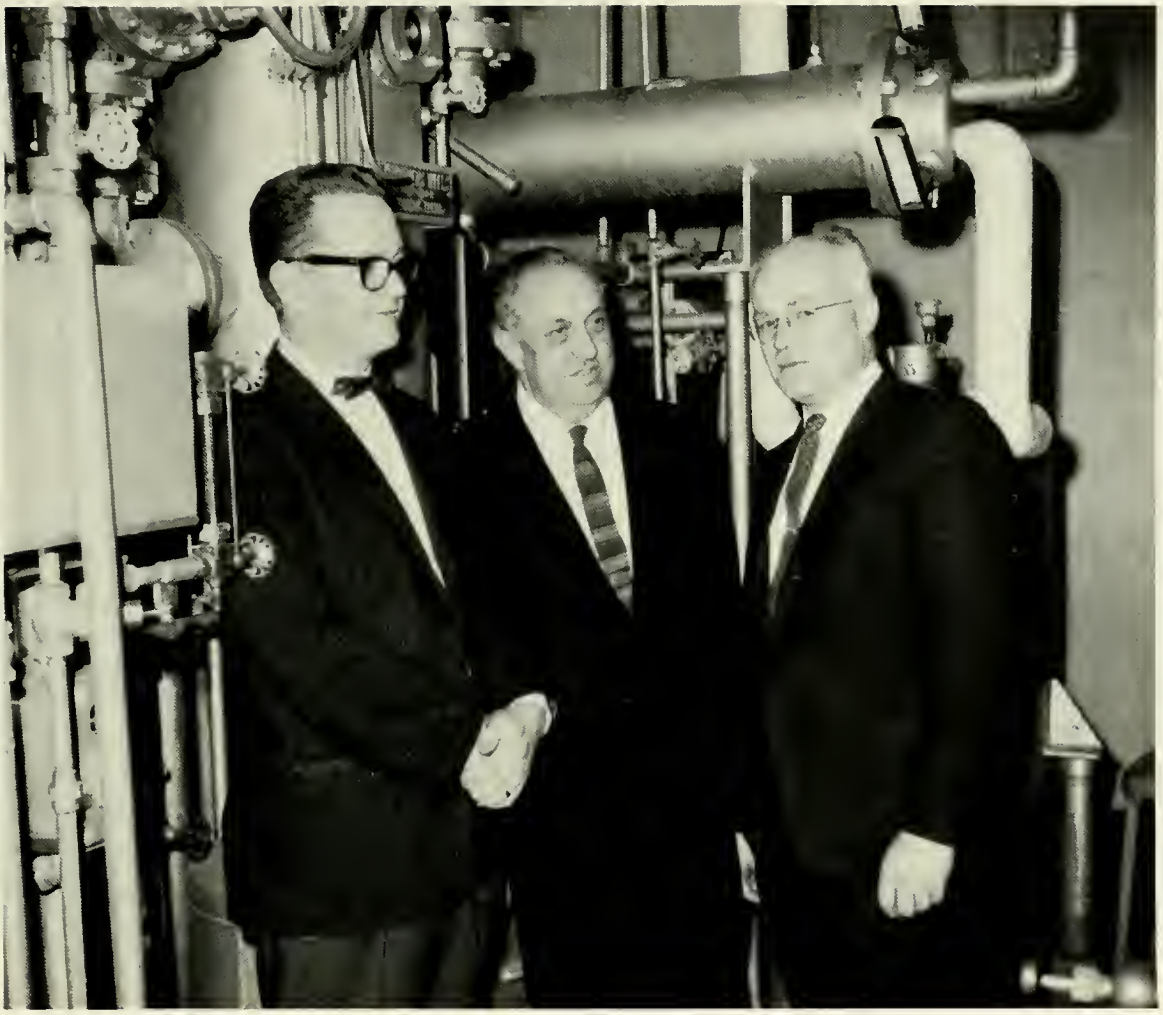
Lt-Rt: Benjamin Dow, Chairman; David L. Cormier, Bennett Kemp.

Aerospace

Today's aerodynamic courses are quite different from those of a few years ago since supersonic flow causes significant heating and thermodynamics has to be carefully taken into account. Earthbound navigation courses have been supplanted by special navigation. Structural analysis courses have shifted the emphasis from triangulated, determinant frames to the indeterminate, stressed-skin structures. Mathematics continues (in its radically advanced forms) to be an important tool in this field.

This department continues as one using the most advanced scientific information to help develop and produce modern means of transportation through space beyond.

Tech's Wind tunnel



L-Rt: Joseph W. Cranmer, Dr. Tod G. Dixon, Chairman; John Cochran.

Chemical Engineering

The Department of Chemical Engineering aims to develop the student into a well-rounded, competent, and socially adjusted graduate. The development of the ability to THINK is paramount. The project method of instruction is used in the laboratory which is equipped with standard pilot plant apparatus such as stills, evaporators, filter presses, and mass and energy transfer units. The curriculum covers basic sciences, engineering sciences, applied science (engineering), and general subjects, which gives a broad foundation enabling the student to be employed in design, operations, sales, teaching, and research.

Professor Cochran watching students perform experiment.

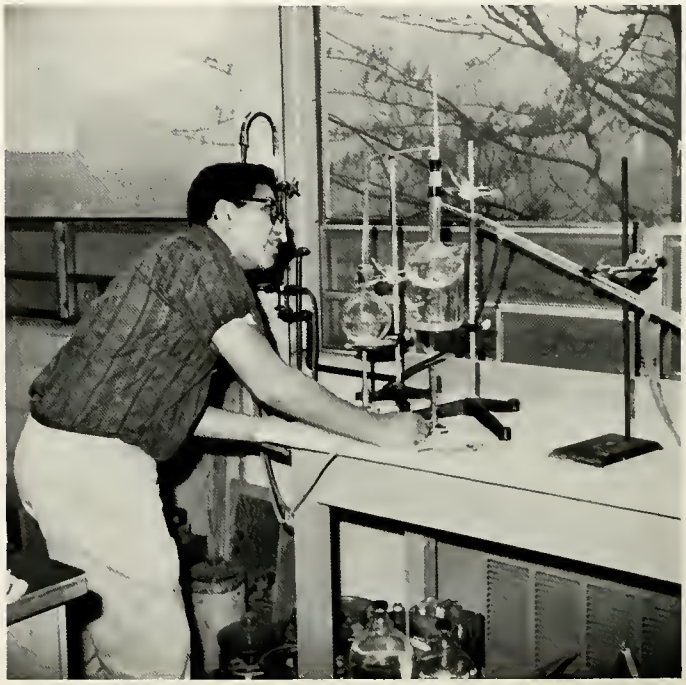
L-Rt: Dr. Warren Hoffman, Edward Guindon, Robert Swindell, Dr. Norman Long, Chairman; Dr. Robert Blair.

Chemistry

Chemistry is the science of change, and serves as one of the main foundation stones for all Science and Engineering. It is one of the essential backgrounds for every educated man in the Technological Age.

The Department of Chemistry not only serves to provide instruction in basic Chemistry for all Science and Engineering disciplines, but offers advanced courses in Chemistry for those interested in Research in industry or in further study in Graduate Schools.

Student working in the Chemistry Lab.



L to Rt: Robert Ruhl, Donald Cochran, Dr. Petro, Chairman; William Schrader.

Civil Engineering

Civil Engineering is the oldest of all the engineering fields. It has always been concerned with projects of both public and private nature that effect the social and economic life of the people.

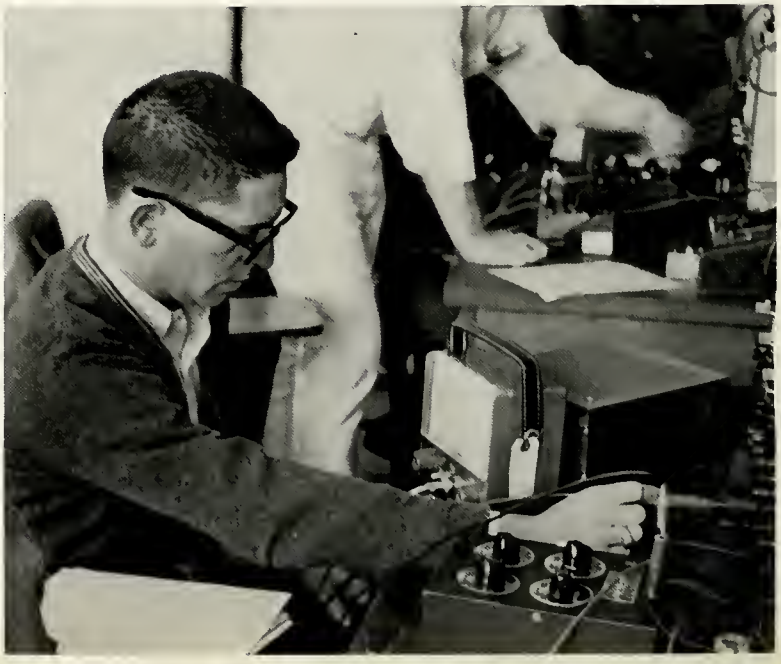
Originally, Civil Engineering was concerned with the construction of bridges, roads builds which are still major areas in the civil engineering field. In the last half-century, additional areas have been added to the field of civil engineering, such as; water supply, waste disposal, city planning, and traffic engineering. These are of importance for the public health and welfare.

L to Rt: Maurice Simmons, Richard Dermer, John Whitney, Gorden Johnson, Peter Sorensen, Earl Devlin, George Hatch, Arthur Price.

Electrical Engineering

Electrical Engineering encompasses many and varied fields. The graduate electrical engineer may find himself working in the fields of radar, guided missiles and satellites, atomic energy, electronic computers, radio communications, television, control systems, power generation and distribution, and other numerous specialized phases of Electrical Engineering.

Students at work in the laboratory.



Help Is Available At Any Time

The engineer must have a thorough knowledge of Engineering Graphics if he is not to be considered an engineering "illiterate." This is the language by which the engineer communicates with others of his profession, draftsmen and technicians for whose work he is responsible to his employer, and others in his broad field of endeavor. Industry has indicated that it considers this one of the most important subjects of which a newly employed graduate engineer must have knowledge. Engineering Graphics assists in the development of creative ability by training in space visualization. It develops the powers of analysis and synthesis. It provides a superior means of developing and recording ideas for posterity. It is, in other words, a tool of great importance to all who anticipate a career in engineering.

Engineering Graphics

Lee Bernhardt, Chairman

Dwight Case

L-Rt: Vonne Muessling, Loren Yaggy, Margaret Huff, Mr. Lauer, Mary Weimer, Chairman; Darrow Fox, Helen Dinius.

English Department

The primary purpose of the English Department in an engineering school is to teach the engineering student to express himself effectively in both speech and writing. The English Department offers courses in composition, literature, and speech so that the student may become a well-rounded person able to meet the challenges in life.

L-R: George Mendenhall, Herbert Birkman, Philip Kennell, Herbert Muessling, David Schlundt, Loren Yaggy, Paul Arnold, Robert Large.

Humanities and Social Science

The Humanities and Social Sciences in the college curriculum present the Historic, literary, artistic and philosophical heritage of our culture along with the accumulation of knowledge in the behavioral sciences.

Dr. Meredith Sprunger (Department Chairman)

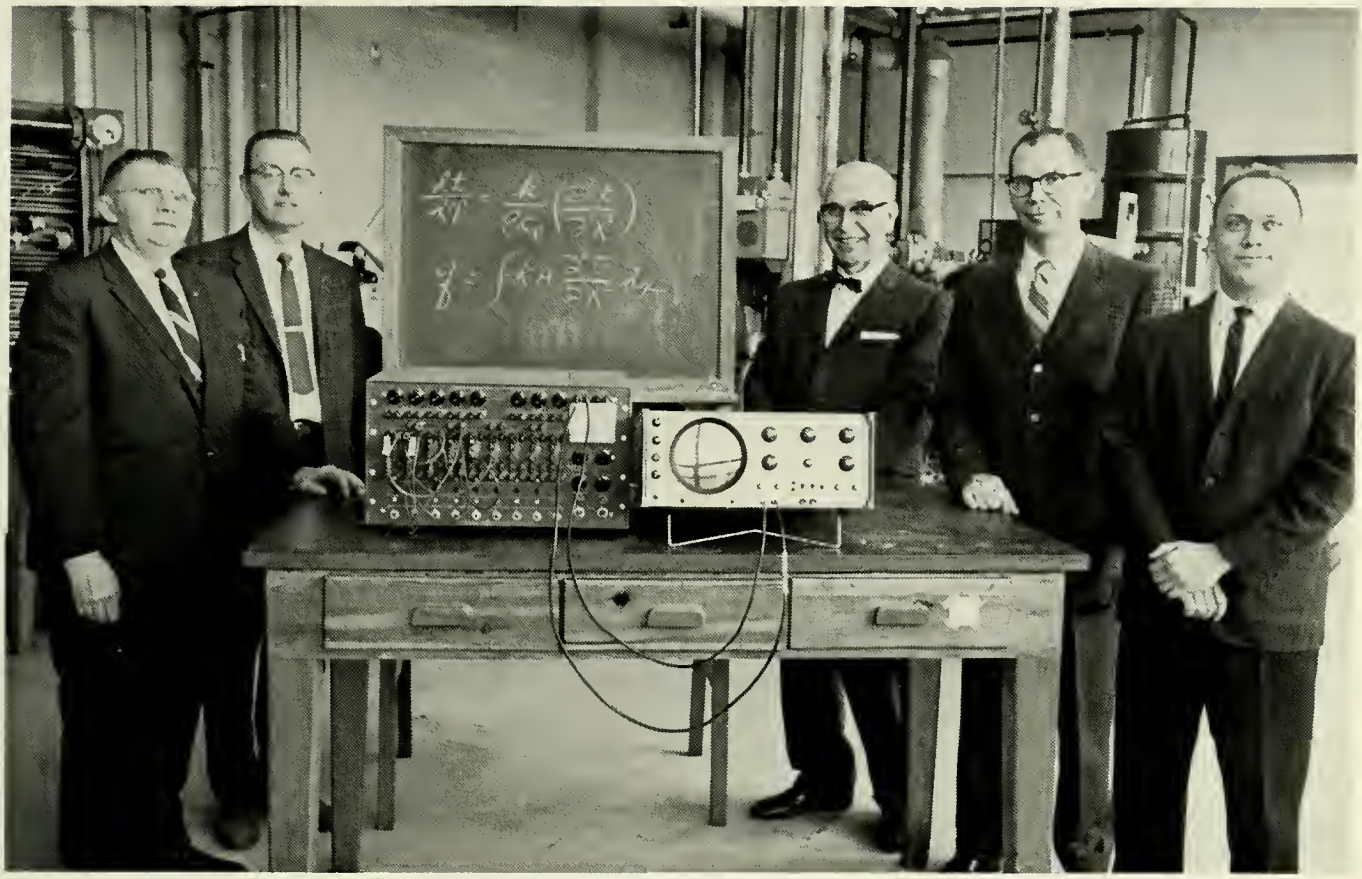
Dr. Robert Bahney

L-Rt: Walter Bartlett, Dwight Keck, Stephan Kublank, Charles Carr, Chairman; Harry Mellin, Jerald VanMeter, Hong-i Yang, Gordon Cole, Juana Santana.

Mathematics Department

In our complex society, scientific progress depends on the mathematician, the engineer and many other scientists whose primary tool is mathematics. The Department of Mathematics offers a well-rounded course for the young mathematicians, as well as the essential mathematics for the engineering, physics and chemistry students.

Students happily taking the Calculus Final!



L-Rt: Dr. Ivan Planck, Chairman; Robert Marshall, Erwin Horiak, Howard Macklin, Cleo Quinn.

Mechanical Engineering

The Mechanical Engineer is responsible for the designing and building of machines to produce power and the machines to utilize that power. Every manufactured article, no matter what its nature, requires the services of Mechanical Engineers both in the design of the machines by which it is manufactured and in the operation of the factory itself.

Creative thinking is nurtured and encouraged in the Mechanical Engineering Laboratories.

Professor Marshall helping a student.

L-Rt: Chimanlal R. Patel, Dr. Kozaburo Myakawa, Chairman; Orville Kern, Leonard Etter, Daniel Dwyer.

Physics

If, as has been said, "this is the atomic age," then this is the age of physics. Nuclear weapons and machines are products of the physics laboratory. Each new day finds the physicist of our nation expanding the horizons of man's knowledge. Therefore, Indiana Institute of Technology meets the need for training in physics by offering basic and advanced courses designed to prepare a student either for direct participation in industry, or for a scientific career of the more traditional type.

Students in Physics Laboratory

Fraternities

First Row: Dilip Mirchandani; Chiman Patel; Ronald Schimes; Homer Joyadjakis; John Kehoe; Benton Moon. *Second Row:* Vincent Brandtner; Arthur Price, Advisor; Conrad Ramsaran; Cleo Quinn; Ken Dander; Terry Quinn; Scott Hoeck. *Third Row:* Nick Scalzo; Gerson Grossman; Jeff Michael; Bruce Allen; Don Nolan; Bjorn Oseid; Larry Borkowski.

Alpha Gamma Upsilon

Beta Chapter of the Alpha Gamma Upsilon was accepted by Indiana Institute of Technology in May 1932—the first fraternity installed in the college. The aim and purpose of Alpha Gamma Upsilon is summed up briefly in the following passage: "This fraternity shall be a secret fraternal organization whose aim and purpose is to promote friendship, comradeship, and mutual understanding among the members; to develop character; to uphold the ideals of the college, and to foster the higher ideals of ethical conduct and good citizenship.

Lt.-R First Row: Bruce Browand, Vice-President; Ronald Casteel, Ralph DePaolo, President; Melvin Mills, Treasurer; Gene Eggers. *Second Row:* Jack Bishop, Dr. Horiak, Advisor; Martin Reilly, George Wagner, Chaplain; Charles Warrix, James Scott. *Third Row:* Richard McBride, Business Manager; Earl Shirk, Secretary; Harold Young, James Talley, Lee Pontius, Philip Powell, Charles Gallion, Robert Henriksen.

Alpha Omega Tau

The Alpha Omega Tau social fraternity became a part of Indiana Institute of Technology in January, 1957. The Purpose of this fraternity is to promote fellowship, social, scholastic, and recreational activities for its members.

First Row: Ravichand Brothra; Roger E. Doriot; Kenneth W. Cohen; Lynn Fisher; Peter Garside; Jack Bishop. *Second Row:* William Weiss; John E. Claydon; Charles Hodge; John Pemberton; Sam Lachmann; Santosh Tolani; Gary Streeter; Dale L. Fadley. *Third Row:* Dennis Sassa; Richard Bray; Phillip Conarroe; Earl Shirk; Daniel Sachuk; Roger Wright, Samuel Troutman; David Hoffman; Harold Young.

Iota Tau Kappa

Iota Tau Kappa is an honorary engineering fraternity whose name symbolized Iota (Industry), Tau (Thrift), and Kappa (Knowledge). The chief objective of this organization is to promote and to inculcate high ideals and attitudes of scholarship among the members of the student body of Indiana Institute of Technology. In order to become a member of Iota Tau Kappa, an engineering student must have a grade-point average of 3.5 or more for four terms, not necessarily consecutive terms. At least sixteen credit hours shall comprise each of these four terms.

Lt.-R. First Row: Frazier Williford, Eugene Seward, Secretary; Charlie Sheppard, President. *Second Row:* Kenneth Easter, Albert Johns.

Kappa Alpha Psi

Kappa Alpha Psi, a college fraternity now comprised of more than 200 undergraduate and alumni chapters on major campuses and in cities throughout the country, boasts a membership of over 20,000. It was founded in the school year of 1910-11 on the campus of Indiana University at Bloomington, Indiana. Its constitution is the law of an organization predicated upon and dedicated to, the principles of achievement through a democratic fraternity.

Preparation of the coat of arms was completed during the summer of 1911 by three of the founders who solicited the aid of a professor of Greek Art at the Indiana University, together with that of a professor of Greek at Concordia University. The second chapter of Kappa Alpha Psi was chartered in 1913.

First Row: Joe Costanza; Mike Rose; Tom Folga; John Currier; Frank Koehl. *Second Row:* Don Chislaghi; Tim Jur; Frank Racey; Alex Driessen; John Daly; Ralph Griffin; Dave Aleong. *Third Row:* Lester Schowe; Lewis Starr; Raymond Stann; Charles Scherger; Richard Smith.

Phi Kappa Theta

The Kap Beatles

Phi Kappa Theta offers a brotherhood fraternity for the Catholic students at Indiana Tech. Phi Kappa Theta is an organization that endeavors to promote conduct consistent with good morals, and an active Catholic faith, creating an atmosphere which will stimulate substantial intellectual progress and scholastic achievement; and also to promote principles of fraternal loyalty through brotherhood.

Painting Third Floor, Anthony Bld.

The Old Sign Post

Only 12 oz. in a Bottle

Fraternity Past Time

First Row: Robert Jung, Jeffery Cole, James Boyd, Dominic Arbitrio, John Pullhorn, Vice-President; Richard Schulte. *Second Row:* Harvey Rutstein, Edward Bush, Steve Smith, Jerald Howard, Fred Illingworth, Gary Bush, Joseph Bauer, Joseph Concannon, President. *Third Row:* Harold Burkett, Secretary; John Petko, James Ashteri, Thomas Barbiere, Philip Reed, Donald Grundeen, Jay Wood, Treasurer.

Sigma Pi

The objectives of Sigma Pi Fraternity are: to establish a brotherhood of college men; to promote scholarship and literary culture; to advance the cause of education; to raise the standard of morality and develop the character of men; to diffuse culture; and to encourage chivalry among men. All members are accepted solely on their own individual worth, regardless of race, color, or creed.

Remodeling

Party Time

Fall Cleanup

Painting

Sigma Pi Fraternity House

Sirius

The Study Room

The House Mgr.

A Pledge

First Row: Pat Connolly; Dick Cole; Roger Kerber; Bill Bensing; Dick Ckute; Jim Bradley; Bruno Wallenburg; Chuck Dittman. *Second Row:* Sam Medici; Barney Gecowetts; Harvey Kriegsman; John Jones; Lenny Bevins; Richard Walters; Dr. Norman Long; Joe Zacharias; Dan Hartwick; Jom Schirott; Vic Rosynsky; Bob Baillargeon; Mike Resetar; Bob Denny. *Third Row:* Dick Tomcheski; Bill Yong; Steve Smith; Tom Smith; Dave Chizmar; Joe Beebee; Harvey Drewes; Toby George; Chuck Shrontz; Ed Kridler; Jim Bucksbee.

Sigma Phi Delta

Sigma Phi Delta Fraternity House

The purpose of Sigma Phi Delta is to promote advancement of the engineering profession; to foster the advancement of engineering education; to instill a greater spirit of cooperation among engineering students and organizations; to inculcate in its members the highest ideals of good citizenship, Christian manhood, obedience to law and to brotherhood; and to encourage excellence in scholarship.

The fraternity was founded at the University of Southern California in April, 1924. The membership totals nearly 4,000 engineers and engineering students.

Winter Banquet

Sigma Phi Delta vs WOWO topcats

Donkeys cooperate with the Brothers at Donkey Basketball Game.

Reversal Party: Br. Pat Connolly and her date.

Sigma Phi Delta Cheerleaders

Rt: Brother Chizmar displays her figure.

First Row: Dave Albert; Elmer Clark; Robert Swindell; George Morhack; Brian Weldon. *Second Row:* Jim Barmhardt; Leon Zoeller; Don Crissman; Rolland Zech; Sam Uhler; Lawrence Bott; Ron Skopitz. *Third Row:* Don Zehner; Dean Gaudreau; Dan Bilicki; Ralph Riehl; Chris Holst; Tom Sundstrom; Bob Keegan.

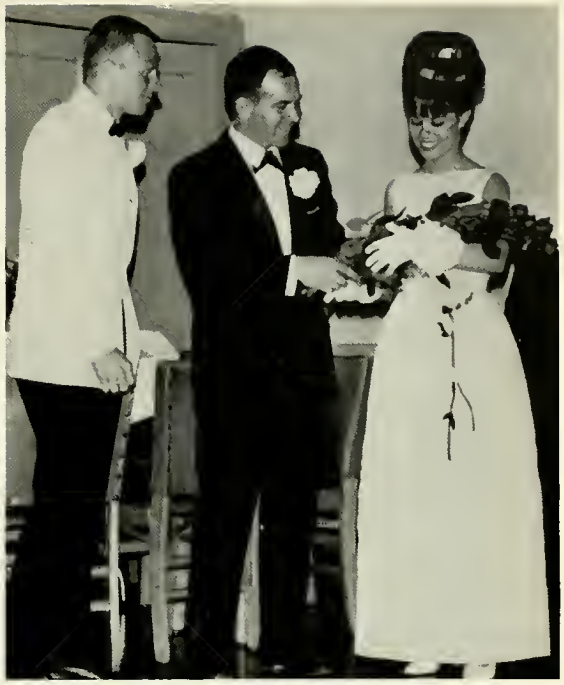
Theta Tau Upsilon, a local fraternity founded in April, 1962, became The Indiana Eta Chapter of Sigma Phi Epsilon on February 2, 1963. The membership has grown to be the largest on Indiana Tech's campus.

The basic ideals of the fraternity are to promote high academic standards; provide a useful service to the college and community, to guide and manage gentlemanly conduct at all times, to always put forth with highest moral character, and to develop an unsurpassable union of brotherhood that will serve as a guide throughout life.

Sigma Phi Epsilon

First Row: Wendell Foo; Dan Huss; Bill Hines; Bob Wagoner. *Second Row:* Chster Pietras; Charles Mink; Ron Sheets; Loren Hodson; Lewis Bornmann. *Third Row:* Dave Whirrett; Dave Nash; Larry Wambsganss; Mel Schurdel; Stan Prozny; Dave Wanhatalo; Keith Gamsby; Richard Nott.

Sigma Phi Epsilon House



Ronald Crissman, Robert Wagoner, Marty McKay.

Queen of the Spring Formal

Frank Kushner running for the Olympic Fund.

First Row: Dick Silverman; Terry Lynch; Craig McGinnis; Jim Goodnough; Terry Gleave; Bob Jetter; Ken Boyd; Dick Renner; Charles Enea. *Second Row:* Jim Rood; Darryl Engel; Jamie Uscocovich; Arnie Krunrie; Frank Buzzanca; Tom Dravis; Barry Hadley; Walter Crush; Don Kiewitt; David Cormier, Advisor. *Third Row:* Mike Bethell; Bob Leiendecker; Dave Zaken; Carl Kitz; Bruce Beck; Bruce Singleton; Bill Bejna; Tony DiMarco; Joe Kaszycki; Kenneth Coon. *Fourth Row:* Jim Patterson; Dick Sestile; Dale Dreher; Karl Carter; Larry Riley; Warren Garraway; Don Blackstone; Dave Karkas; Bryan Richardson; John Beidler; Robert Morgan; Bob Toews.

Tau Kappa Epsilon

The one-time local Kappa Sigma Phi was installed April 26-27, 1963, as the Iota Lambda chapter of Tau Kappa Epsilon. Love, Charity, and Esteem, these are the guiding lights of Teke. These boil down to brotherhood, a main goal of our fraternity. We believe that a fraternity is not solely made great by its fraters but also by the keen competition of other organizations. Tau Kappa Epsilon is the largest national fraternity and is constantly expanding by initiating top local fraternities on campuses across the United States.

The Gonger

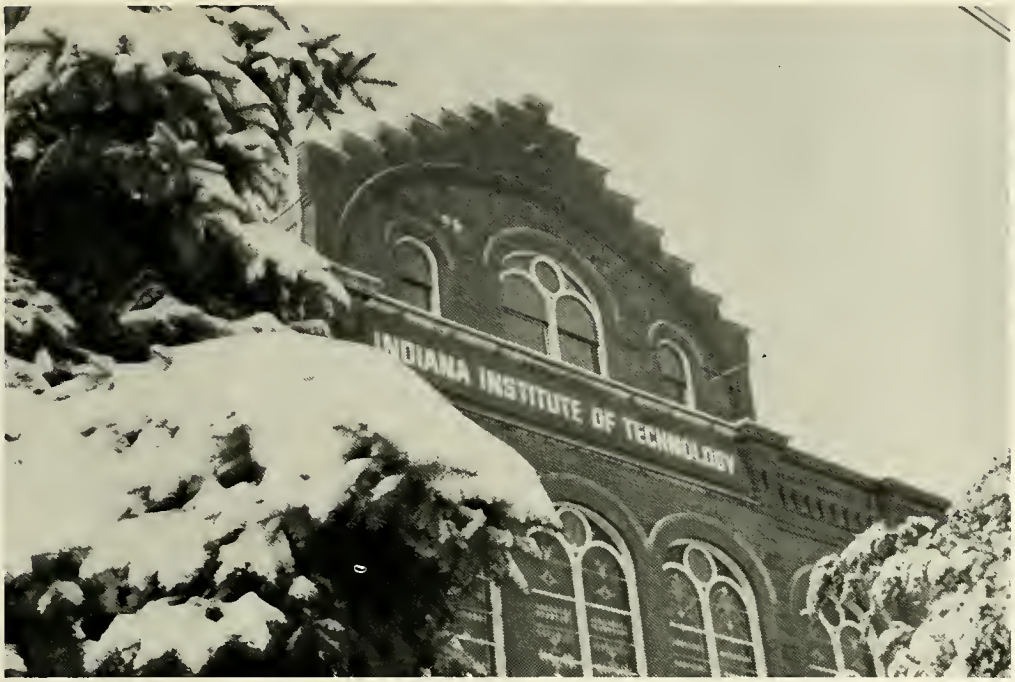
TKE House

Tekes at Work

First Row: Howard Bishop, Dave Hurd, David Card, Jack Griffin. *Second Row:* Robert Merle, Ronald Green, John Fosmire, Robert Filipovits, Wilson Byroads, Jack Keyes, Stephen Currier, Tom Allan, David Helgeson. *Third Row:* Tim Darrow; Joe Rittler; Dave Griffin; Charles Simmons; Jerry Weber, Secretary; Daniel Helker; Henry M. Bittmann; Jerry Cheselka; George Perna, Pledge Master; Robert Perillo, President; Mike Jacobs. *Fourth Row:* Richard Smist; Richard Utz, House Manager; Nunzio Tacozza; Ron Antoniuk, Vice-President; John Kwap, Robert Sikora, John Burek, Bob Nichols, Chip Hall, Pete Leffe, Jerry Brooke; Don Lieber, Treasurer.

Theta Xi

The purpose of Theta Xi is to develop and enhance the personality of its members, to encourage scholastic achievement and good conduct, broaden outside interests, promote mutual understanding and increase loyalty on the part of the fraternity brothers to Indiana Tech. Membership is open to all male students of Indiana Tech.



Organizations

American Chemical Society

The ACS students' affiliate of Indiana Tech is a Chapter of the American Chemical Society, the world's largest organization devoted to a single science. The purpose of this Club is to create and stimulate interest among students of chemistry and chemical engineering and to help them academically and socially to become better qualified candidates for future positions.

Periodic field trips also help to acquaint the students with industry and give them some insight into the vast potential of their chosen field.

First Row: Theodore Stout; Llewellyn Todd; Joe Zacharias; Gerald Brooke; Edward Guindon, Advisor; Owen Fox. *Second Row:* John Graves Chester; Pietras; Paul Lawyer; Michael Brownfield; Jack Griffin; Garlen Funnel; Phil Reed.

American Institute of Aeronautics and Astronautics

The American Institute of Aeronautics and Astronautics is the representative society for engineers, designers, and technical specialists in all of the sciences related to the design and development of airborne craft.

Student membership provides the student engineer or scientist with broad opportunities to engage in activities associated with his future career in aviation.

First Row: Scott Hoeck; Thomas Csencsitz; Wendell Foo; Robert Bruce; Robert Chatlosh; Gath McWhorter; Bennett Kemp, Faculty Moderator. *Second Row:* Jeffrey Cole; Ralph Kistner; James Levy; Richard Knott; Larry Black; John Claydon; Albert Johns. *Third Row:* Robert Hendrickson; Allen Bradley; Nelson Stradling; Michael Resetar; Arthur Yankowitz; Ivan Goldstein; Kenneth Easter.

First Row: Farouk Saad, Masoud Qahwash, Hassan Shaaban, President; Christo Wassouf, Mr. Kennell, Adviser. *Second Row:* Hassam Abub Husn Samir Ali, Thabet Kheiry, Mohmad Abduh-Jabbar, George Sadakne.

Arab Student Club

The objectives of the Arab Student Club are: the promotion of better understanding with the American people, the dissemination of true and adequate information about Arab people, the extension of help and guidance to Arab students at Indiana Institute of Technology, and the securing of scholarships for the benefit of Arab students. Membership in this organization is available to any Arab student and any student interested in the Arab world.

First Row: Kishor R. Shah; Carl Kitz; Gene Eggers. *Second Row:* Ali Samir; Cesar Arbelaez; John Yoars; Peter Garside. *Third Row:* Manubhai B. Shah; George Sadakne; Thabet Kheiry; Christo Wassouf.

Chemical Engineering Society

The Chemical Engineering Society is open to any student in Chemical Engineering. Its purpose is to help develop the student in his profession by disseminating knowledge relating to the practice and theory of chemical engineering for him.

1st Row: Professor Loren Yaggy, Jim Barnhart, Douglas Hope, Surrinder Singh, Alec Drienssen, Librarian; Ken Liechty, Vice-President; Jerry Ryan, President. 2nd *Row:* John Stauble; Jack Van Wingerdon; Lynn Gerig; Ene Mazzi-Kizza; Owen Fox, Secretary; Eugene Seward.

Glee Club

Combined Glee Clubs of Tech and St. Francis College performing under the direction of Professor Lorren Yaggy.

India Association

The purpose of the organization is to provide better understanding between the Indian students and the non-Indian students at Indiana Tech and to extend guidance to new Indian students. Membership is available to any student who is interested in Indian culture.

Our participation in social functions may enhance closer ties between the Indian students and the Americans.

First Row: Dilip Mirchandani; Kishór Shah; Yogesh Trivedi; Pravin Shah. *Second Row:* Vijay Patel; Vijay Patil; Jim Ṣata; Nalin Vaidya; Prabodh Kothari. *Third Row:* Ravichand Bothra; Niranjan Gandhi; Manu Shah; Bipin Vora; Ratilal Chheda; Dinesh Sheth.

Indiana Tech Students' Wives Club

Organized in July 1957, the purpose of Indiana Tech Students' Wives Club has been to further social activities, acquaintances, and friendships among the wives of students of IIT. Wives of all married students of IIT are eligible for membership.

The club arranges programs of varied types for the members. These may range from an address on the social problems of our times by a local authority to bingo or a humorous skit given by the members of the club.

It is also the purpose of the Club to contribute to and work for the good of the College whenever possible.

At banquets held twice annually wives of the graduating students are presented with their P.H.T. (Putting Hubby Through) degrees.

First Row: Tina Hendriksen; Judy Burns; Gloria Frey; Dixie Eggers; Margie Dow, Advisor. *Second Row:* Elizabeth Hodge; Linda Powell; Linda Brooke; Diana Buss; Julie Frisch; Jo-Anne Pontius; Linda Cohen; Gisela Troutman; Jeaney Perkins; Nancy McCord. *Third Row:* Linda Hoeck; Sherry Maillet; Gloria Walker; Kathy Cornelius; Delores Hnat; Godelieve Lang; Cathy Taulman; Joan Weil; Lynda Gutowski; Ann Warrix; Linda Householder. *Fourth Row:* Judy Wright; Barbara Folan; Darlene Salazar; Evelyn Coleman; Jean Barnette; Carol Lachmann; Sharon Geil; Helen Schachte; Marlene Fager; Ann Helm; Inge Ronning; Fay Perrey.

First Row: R. J. Maloney; Farouk Saad; Thomas Faulkner; Carlo Blasetti; James Wiley; Douglas Bunner; Ralph Armstrong; Erwin Schoeny; Melvin Mills; Jack Hungate. *Second Row:* Maynard Beck; James Reed; Harry Albrecht; David Baker; Bruce Singleton; Bobby Johnson; Ronald Casteel; Charles Coleman; Bruce Browand; Charles Warrix; Charles Sheppard. *Third Row:* Harold Young; Dennis Sassa; Edward Murphy; Erling Ronning; Dave Farkas; Keith Gamsby; David Nash; John Lenz; Charles Gallion; Earl Shirk; Richard Bray; David Durand; Robert Bruce.

Institute of Electrical and Electronic Engineers

The Indiana Tech Electrical Association is an association devoted to promoting professional growth in the field of Electrical and Electronic Engineering. It prepares the student for his profession by field trips into industry and guest speakers from industry in these fields.

The association is an affiliate of the American Institute of Electrical Engineers and membership is open to any student enrolled in the electrical or electronic departments.

Interfraternity Council

The Inter-Fraternity Council is the judicial body which governs the standardization of the pledging program, and promotes cooperation among the fraternities in both scholastic and social affairs. It is composed of representatives of each fraternity on campus.

First Row: Nunzio Tacozza, Anthony Dimarco, Robert Jung, Treasurer; Robert Morgan, President; Frank Koehl, Vice-President; Joseph Kaszycki, Secretary; Kenneth Dander, Patrick Connolly. *Second Row:* Mahmoud Parvizi, Robert Nichols, Charlie Sheppard, Stephen Smith, Richard Walters, Arnie Krumrie.

Judo Club

The purpose of the Indiana Institute of Technology Judo Club is to promote Kodokan Judo on this campus. The club was founded in the spring of 1962 and was fully accredited with the school in December 1962. The club is a member of the National Collegiate Judo Association and is fully accredited by the Judo Black Belt Federation of America. The club is under the jurisdiction of the Chicago Black Belt Association and all promotions are sanctioned by this association.

Sam Medici, *Editor-in-Chief*

Kekiongan

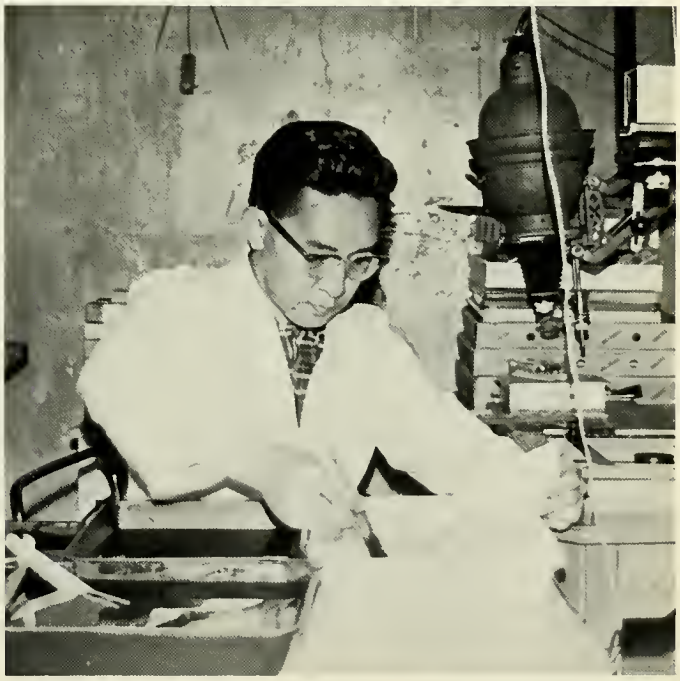
We the staff of the 1965 KEKIONGAN have tried through pictures and words, to recall a few of the memorable events of the school year. It is our hope that in years to come you can look back at these pages and remember the work, friends, and enjoyment you had here at Tech. It is with pleasure that we present this year's KEKIONGAN to the "Class of '65."

John Jones

Seated: Doug Trotter. *Standing:* Photographer Bill Macintosh.

Darrow Fox, *Faculty Moderator*

KF. Fung, *Photographer*



Kekiongan Amateur Radio Club

The Kekiongan Amateur Radio Club's objectives are to promote amateur radio activities among interested students and to bring together students who have an interest in the practical application of communications.

To qualify for membership, a student or faculty member must have a Federal Communications Commission License ranging from novice to advanced. Instruction for these licenses is provided by the qualified members to those who wish to take the examinations for them.

First Row: Roger Sentman; Bruce Hoverman; Jerry Ryan; Gerald Lewine. *Second Row:* Mike Dodd; Lynn Gerig; Charles Bliley; Dennis Thomas.

Physics Club

The goal of the Physics Club is the advancement and diffusion of knowledge pertaining to the science of physics and its application to human welfare.

The organization has acquired a laboratory for experimental projects. Besides these projects, the organization's goal is reached by trips into industry and noted lecturers in the field of physics.

First Row: Ruth Ann Goodlin; Larry Peters; Paul Weil. *Second Row:* Conrad Shor; Thomas Frisch; Milton Perlman; Michael Hurwotz.

First Row: Mr. Quinn, Adviser; Carlos Ramirez, Tom Dwenger, True Myers, Ron Skopitz, Surrinder Singe, Ratilal Chheda, Dinesh Sheth, Kenneth Coon, Christos Katsifis, Ralph DePaolo. *Second Row:* Don Adams, Charles Johnson, Ravichand Bothra, Vincent Bober, Lew Wolfe, Don Ratajczak, Tom Kingston, Alvin Martin, Prabodh Kothari, Clarence Meadows. *Third Row:* William Smith, David Melton, John Hayes, Paul Leasor, Kenneth Hoffman, Chairman; Richard Tomcheski, Daniel Sachuk, William Niemeyer, Lee Pontius, Albert Akers.

Mechanical Engineering Club

The Mechanical Engineering Club is a local affiliate of the Fort Wayne section of the American Society of Mechanical Engineers.

The objectives of the club are to advance, promote, and teach new phases of mechanical engineering. This is accomplished by programs which include talks by experienced engineers, and field trips to industries in the Tri-State area.

Membership is restricted to students enrolled in the Mechanical Engineering Department.

First Row: Dennis Wilson; Dick Weiss; John Abrahamsen. *Second Row:* Dale Harshman; Steven Jakatt; Joseph Longo.

Newman Club

The Newman Club is an Organization for Catholic students designed to help the student in his religious, social, and cultural life. The club is guided by a chaplain appointed by the Bishop of the Diocese. The inspiration of Cardinal Newman is the guiding light of the clubs which now exist at more than 300 colleges and universities in United States.

Phil Conarroe, *Editor*

The staff at the printers

Nucleus

We of the staff like to feel that we have maintained the rich tradition of The Nucleus by presenting the student body all responsible information of concern. Our main intent as the official publication of the campus is to stimulate the mind of our fellow students by presenting noteworthy news.

We believe in Indiana Tech and her students, and principles; and we consistently support all organizations and programs that contribute to the growth of the college and the student. Whenever controversy arises, we intend to present both sides lest we fall prey to irresponsible reporting.

Neil Hansen and Phil Conarroe

Tom Faulkner

Lee Cenova and T. Dwenger

Society of Automotive Engineers

The Society of Automotive Engineers at Indiana Institute of Technology is a student branch affiliated with the national society. It is sponsored by the Mechanical Engineering Department and is open to all engineering students who are interested the advancement of the automotive industry.

First Row: Joseph Longo; True Meyers; Wayne Kuntz; Clarence Meadows; Dennis Ward; Vincent Bober; Erwin Schoeny. *Second Row:* Gary Moore; John Years; Jim Ludberg; Howard Macklin, Faculty Advisor; Anders Nygard; Carl Mueller; Larry Hill; Dave Melton. *Third Row:* Larry Black; Jack Fowler; Jim Trumbower; Bill Bush; Fred Herschelman; Robert Wonderlich; Ken Hoffman; Edward Gillen; Barry Garman.

Student Senate

The Student Senate is an organization composed of elected students of each class. It serves as a liaison organization between the administration, the student body, and other colleges in matters relation to student activities.

First Row: Scott Hoeck, Norman O. Long, Faculty Advisor; Robert Keegan, Secretary; Leon Zoeller, President; Bruce Singleton, Rolland Zech, Melvin Muntz. *Second Row:* David Durand, David Nash, Steve Randall, Mark W. Clark, Keith Gamsby, Paul Walkowski, Joseph Zacharias, Donald Kiewitt, John E. Jones.

Back Row; L-Rt: John R. Jones, Dave Farkas, Tom Sundstrum, Steve Smith, Tom Walton, Lewis Star. *Front Row:* Fred Gaspardo, Martin Reily, Ron Maloney, Gerald Gardner.

Tech Flying Club

The Indiana Tech Flying Club was formed to give members an opportunity to fly, to obtain their licenses and to learn to fly at a minimum cost. Day and night, local and cross-country flights are made at slight expense to the members. The organization has two planes; a Cessna 140 and a Cessna 120, both of which are hangared at Smith Field. Membership is open to all students and faculty of Indiana Institute of Technology.

Tech Manor Club

The purpose of the Tech Manor Club is to provide the self-government of dormitory students, to represent dormitory students to the College administration, to promote scholastic attainment, and to promote the social development and general welfare of the students living in the dormitories at Indiana Institute of Technology.

First Row: Mark W. Clark; Robert J. Westfall; Mel Schurdell; Paul J. Walkowski. *Second Row:* Richard Nott; John Kwap; Jan Van Nice; Robert Keegan; Stanley Zielinski; Don Steiner, Housing Director.

First Row: Nalin Vaidya, Manu Shah, Ratilal Chheda. *Second Row:* Dilip Mirchandani, Yogesh Trivedi, Pravin Shah, Jim Sata, Prabodh Kothari, Vijay Patel, Kisher Shah. *Third Row:* Dinesh Sheth, Ali El-Khatis, Abdul-Jabbor Mohamad, Terrie Williams, Mrs. Erwin Horiak, Jane Till, Ravi Chand Bothra, Sultan M. Farooqi. *Fourth Row:* Vijay Patil, Bipin Vora, Dr. Erwin Horiak, Christo Wassouf, Tim Walther, Thabet Kheiry, Jerry Single, Jes Schienbein, Niranjan Gandhi.

The International Club

The purposes of the International Club of Indiana Institute of Technology are:

1. To stimulate better student-to-student relationships and understanding through common activities, discussions, and debates on matters of international nature, and through these discussions, to acquaint the students with problems of the world, thus providing the students with the knowledge to converse intelligently on national and international problems;

2. To serve as an area for cultural exchange between both American and Foreign students here on campus;

3. To be linking medium between all countries, for both the purpose of realizing and analyzing the differences and similarities of the students;

4. To help smooth the adjustment of new students to the cosmopolitan atmosphere on the campus of I.I.T.

Left to Right: Barry A. Gemmer, Executive Secretary, and Jack A. Dillon, President of the National Association.

Tech Alumni Association

The Alumni Relations Office is directed by an executive secretary, who is responsible the board of directors of the Indiana Tech Alumni Association and to the administration of the college.

All graduates of the college become members of the National Association when graduate. Alumni do not pay membership dues but, instead, are asked to give to the Alumni Support Fund which provides the funds to underwrite operational costs and salaries. During the past year alumni were given an opportunity to contribute gifts to the Alumni Quadrangle dormitory program—the first building to be built and named in honor of Tech graduates. Alumni subscribing to the building fund will have their names engraved on a bronze plaque which will become a permanent part of the new structure. The association looks on each student as a potential alumnus who will some day become a vital part of the foundation on which the college is built.

Lou Culp, director of Public Relations, and Winifred Troyer, secretary, looking at a photo of Bramwell Fletecher, who was featured in "The George Bernard Shaw Story."

Public Relations

The responsibilities of the Public Relations Department can be divided roughly into three parts: publications and various printed pieces covering all programs of the college; news releases issued to local, state, and national press, radio and television; and the planning of special events, which covers many activities ranging from the Artist-Celebrity Series and Commencement programs through a variety of luncheons, dinners, tours of the campus, and so forth.

The department is a service organization which cooperates with almost all of the other departments and divisions of the college. It should be noted that Public Relations is always available to student organizations for counsel regarding campus activities and, as a general rule, will assist with the planning and promotion of student events when such activities relate to the public image of Indiana Tech.

Kenneth G. Sickler, *Director of the College Development Department.*

College Development

The College Development Department is concerned with all projects which serve to enhance the expansion and improvement of college facilities.

Essentially the department is involved in obtaining gifts and grants from all areas of the public which are dedicated to higher education in general and Indiana Tech in particular. This would include business and industrial firms, particularly those employing engineers and scientists; foundations, alumni, governmental agencies, private citizens, and so forth.

Since the tuition and fees paid by students cover no more than 80% of the college education, it is obvious that the work of the College Development Department is vital to the financial security of the college.

The cost of providing an education, of course, has nothing to do with the funds which must be raised to construct new buildings or to rehabilitate old ones. Neither does it have anything to do with the need for endowments which will permit the college to withstand the pressure of a rising or falling economy.

E. F. Linhorst, *Chief Research Engineer*

R. D. Dermer, *Director of Laboratory*

Research and Development Laboratories

C. Holder, *Supervisor*

During the past ten years of its operation, the R&D section has been responsible for the design and development of an extensive line of industrial test equipment. It has in a large measure been responsible for the standardization of magnet wire tests through the construction of test equipment. Equipment conceived, designed and developed by the labs is now considered as standard by N.E.M.A. for magnet wire testing.

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"The World's Best Yearbooks Are Taylor-made"

INSTITUTE